WMRC Reports
Waste Management and Research Center

Initiation of Hazardous Waste Research and Information Database

Susan C. Schock,
Anna L. Zahn,
Mark W. Washburn,
Ann M. Johnson

Illinois State Water Survey

RR-E06
September 1985
Electronic Version

About WMRC's Electronic Publications:

This document was originally published in a traditional format.

It has been transferred to an electronic format to allow faster and broader access to important information and data.

While the Center makes every effort to maintain a level of quality during the transfer from print to digital format, it is possible that minor formatting and typographical inconsistencies will still exist in this document.

Additionally, due to the constraints of the electronic format chosen, page numbering will vary slightly from the original document.

The original, printed version of this document may still be available.

Please contact WMRC for more information:

WMRC
One E. Hazelwood Drive
Champaign, IL 61820
217-333-8940 (phone)

www.wmrc.uiuc.edu

WMRC is a division of the Illinois Department of Natural Resources

HAZARDOUS WASTE RESEARCH AND INFORMATION CENTER
State Water Survey Division
1808 Woodfield Drive
Savoy, Illinois 61874

Illinois Department of
Energy and Natural Resources

HWRIC RR 006

INITIATION OF HAZARDOUS WASTE RESEARCH AND INFORMATION DATABASE

by

Susan C. Schock, Anna L. Zahn,
Mark W. Washburn, and Ann M. Johnson

Illinois State Water Survey

September 1985

INITIATION OF HAZARDOUS WASTE RESEARCH AND INFORMATION CENTER DATABASE

Susan C. Schock
Anna L. Zahn
Mark W. Washburn
Ann M. Johnson

September 1985

CONTENTS

LIST OF FIGURES AND TABLES

ABBREVIATIONS

CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CMSD	Chicago Municipal Sanitary District
DBMS	database management system
DENR	Department of Energy and Natural Resources
ERRIS	Emergency Remedial Response Inventory System
FIPS	Federal Information Processing System
GWS	Ground Water Section
HWRIC	Hazardous Waste Research and Information Center
IEPA	Illinois Environmental Protection Agency
ISGS	Illinois State Geological Survey
ISWS	Illinois State Water Survey
nec	not elsewhere classified
NPL	National Priority List
NTIS	National Technical Information Service
RCRA	Resource Conservation and Recovery Act
SIA	Surface Impoundments Assessment
SIC	Standard Industrial Classification
STORET	Storage and Retrieval System
USEPA	United States Environmental Protection Agency

OBJECTIVES

The Ground Water Section (GWS) of the State Water Survey (SWS) division of the Illinois Department of Energy and Natural Resources has initiated development of a computerized database for the Hazardous Waste Research and Information Center (HWRIC) under contract GRF85-01. In addition to compiling the components of a hazardous substance related database, the GWS has provided guidance to a HWRIC contractor (SCS Engineers, Inc.) the choice of a database management system (DBMS) for that database. The initial database development included: 1) acquisition of machine readable data sets, 2) review of those sets for content, 3) identification of key element relationships, 4) documentation of procedures used in the analysis and restructuring of data sets, 5) verification of data from paper sources, and 6) field checking of a sample of the data.

Coordinating the design of a DBMS involved supplying detailed information and assistance to the contractor for the HWRIC. The effort included arranging for the transfer of magnetic tape data from the Illinois Environmental Protection Agency (IEPA) to several other contractors of HWRIC, as well as to some independent researchers not involved in the HWRIC activities.

BACKGROUND

Relationship of this Project to the P.A. 83-1268 Mandate

The work under GRF85-01 was performed in conjunction with activities mandated under P.A. 83-1268 (i.e., the Currie Bill). The assessment of ground-water quality and hazardous substance activities in Illinois with recommendations for a statewide ground-water protection

strategy under P.A. 83-1268 was recently completed. P.A. 83-1268 efforts utilized parts of the database being prepared for HWRIC, although the database work includes many more data elements than were needed to meet the mandate of P.A. 83-1268. The P.A. 83-1268 focused on the current status of hazardous substance-related activities whereas the database for the HWRIC will include any information on inactive or abandoned sites, in addition to current sites. Also, the P.A. 83-1268 was primarily concerned with site locations and type of activity, while the HWRIC requires information in much greater depth. An inventory list of facilities which may handle hazardous materials was prepared for P.A. 83-1268 work using the components of the HWRIC database. This list was modified and enhanced for use as the core of the HWRIC Hazardous Substances-Related Database.

Computer System Supporting this Project

Because the database work began before the HWRIC computer hardware and software were selected, it was necessary to use an existing computer system where the interim work could be performed. The basic objective was to develop all files in as generic a form as possible to facilitate their eventual installation on the HWRIC system. The ISWS VAX computer was chosen and the associated EUNICE operating system was considered adequate for the database initialization. The ISWS VAX has sufficient disk space for large file manipulations. The ISWS VAX system is easily accessible by the GWS staff, handles ASCII files enabling transfers to other machines, and had been available at no charge for the bulk of the contract period.

Consideration was given to using a relational database management system (DBMS) to manipulate the data during the period of database development. Such a DBMS offers a capability for handling a complex database, but files are maintained in complicated, software dependent formats. These formats would make transfer of the base to the HWRIC system unnecessarily complex. For these reasons the EUNICE operating system was chosen to handle the database in its initial stages. The EUNICE system has a variety of utilities to allow source files to be manipulated while maintaining all the files in an ASCII format. The "C" compiler was available on the EUNICE system, and programs in "C" language were also used to manipulate the data. The decision not to use an available DBMS made the database development more complex, but the objectives of the contract were better met by keeping the data in discrete data files.

DATABASE DEVELOPMENT

Data Acquisition and Assimilation

Data acquisition was initiated by contacting representatives of the agencies providing the data and arranging for the transfer of the data. Primary questions to be resolved included which data were to be provided, data formats and medium, and the availability of those data.

Subsequent contacts were required to identify the reasons for the collection of certain data items by various agencies. This information is valuable in understanding the possible biases and gaps in data, as well as the value of the data items. Nearly all of the data which are available today with respect to hazardous wastes and the management of these wastes are the result of data collection in association with

regulatory processes. For this reason, only those information elements specifically requested by the regulators are given.

As data tapes were received, they were read on the VAX computer at the ISWS. The accompanying file descriptions were studied and related to the computer files. In several cases the source agency was recontacted for explanations concerning file formats, both to enable the reading of the data and to better understand the significance of particular data items. The majority of the files have been converted from their original structures in either ASCII or EBCDIC to variable length ASCII records by using field separators. This allows most blanks to be eliminated, which conserves computer memory. These files can be easily converted to fixed format with constant record length when needed.

One file which was considered for inclusion in the database was not available in a machine-readable form. This is the Emergency Remedial Response Inventory System (ERRIS) file, a federal listing of hazardous waste sites that have had a claim or complaint lodged against them. It is much larger than the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA, also known as Superfund) file, which has sites which are under some level of scrutiny, or have at least been preliminarily screened. The U.S. Environmental Protection Agency (USEPA) has provided a copy of the computer list on paper, but not a magnetic tape of ERRIS sites. All of the sites on this list are associated with paper files at the IEPA, to which the HWRIC has access.

The data source files were collected at different times and for varying reasons. Some of the data sources will be updated by their initiators or compilers at various intervals. These factors affect the relationships of the various data sources to the current situation in

Illinois with respect to hazardous waste. Most of the data used in this initial stage of database development were tabulated after 1980, but in some cases the sources are older than 1980. The tapes provided by the IEPA are copies of the most up to date files available. The IEPA continually updates some of its files as new data arrive. Other IEPA files are updated on a cyclic basis. Similarly, some of the data from other sources are no longer current. Verification of the database produced is discussed below. Updates of the HWRIC maintained databases are recommended on a cyclic basis.

All of the files except the Dun's Market Identifiers were received by the end of 1984. The Dun's file was received in April 1985. Table 1 lists the machine readable data sets which were received and will be transferred in whole or in part to the HWRIC.

File Overviews

Each file is listed here with a short description and comments. The files are grouped by source. More detailed descriptions are given in Appendix A. Appendix B contains the original documentation received with the tapes.

Table 1. Data Sources for HWRIC Database

DATA SOURCE/File	Date received	Observations
IEPA		
Selected Inventory	11/08/84	12,869
Old Inventory Master	11/08/84	3,838
Old Generator Name and Address Master	11/08/84	6,164
Hazardous Waste Master 1982	11/08/84	9,672
Hazardous Waste Master 1983	11/08/84	9,458
Water Quality Standards Master	11/08/84	250
Water Quality Analysis Master	11/08/84	321,888
Manifest History 1982	12/28/84	127,012
Manifest History 1983	12/28/84	133,560
Waste Disposal Application Master	12/28/84	30,539
Generic Waste Stream Master	12/28/84	77
Permit Conditions Master	11/08/84	7,143
NTIS		
RCRA	10/18/84	4,651
CERCLA (Superfund)	9/01/84	480
USEPA		
Surface Impoundment Assessment	10/19/84	5,062
CMSD		
Cook County Waste Facilities	10/15/84	1,557
DUN & BRADSTREET, Inc.		
Dun's Market Identifiers	4/15/85	270,901

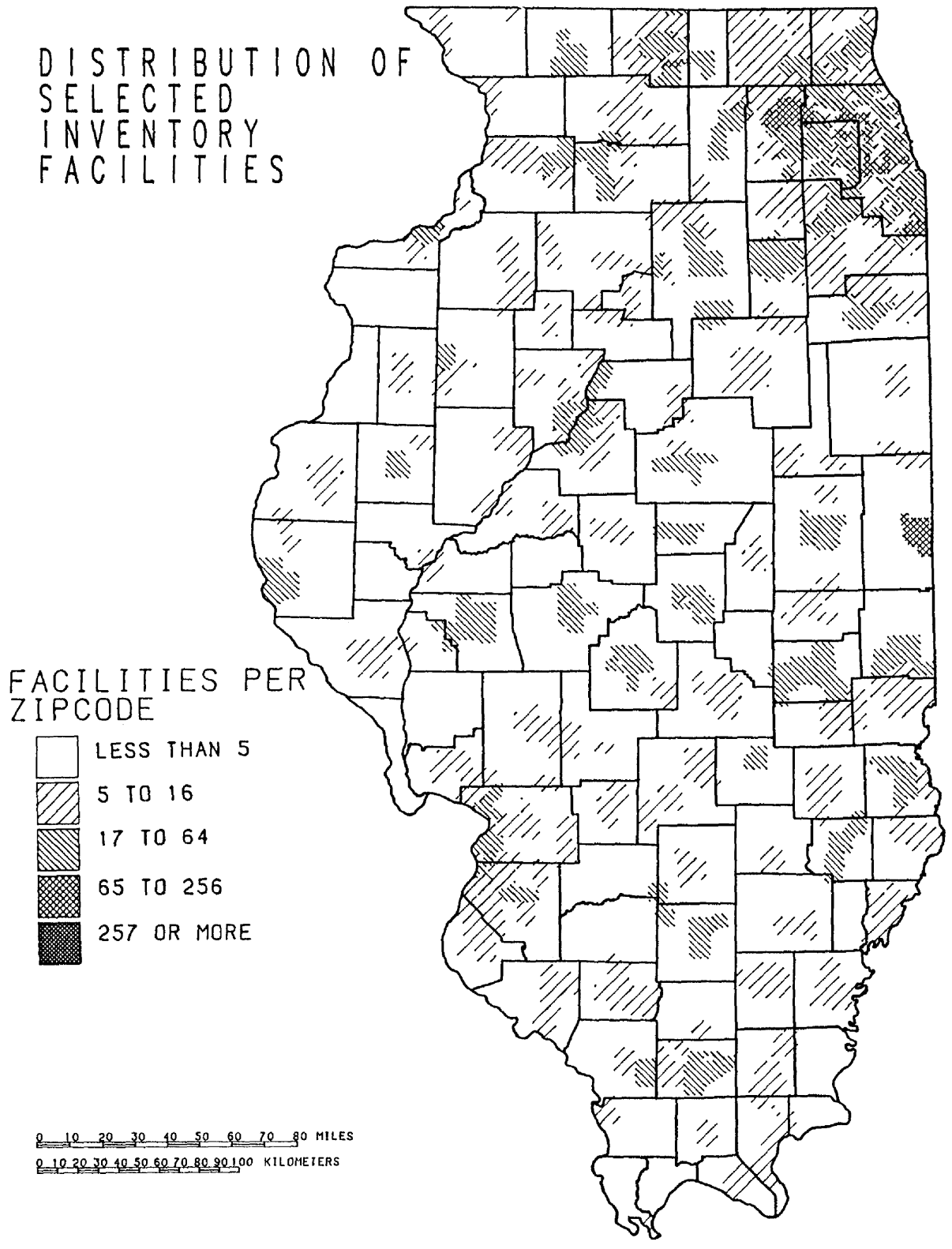
DATA SOURCES:

The Illinois Environmental Protection Agency (IEPA)

The IEPA has been the largest source of data, providing several files which were used in the database plan directly and others which were acquired for other contractors and in order to fill out the information for the HWRIC.

The Selected Inventory File is one of the most important contributors to the database. The name "selected inventory" refers to the fact that the file was created by IEPA from its data management system. It is a list of facilities including regulated hazardous wastes sites,

Figure 1.


DISTRIBUTION OF SELECTED INVENTORY FACILITIES
FACILITIES PER ZIPCODE
LESS THAN 5
5 TO 16
17 TO 64
65 TO 256
257 OR MORE
0 10 20 30 40 50 60 70 80 MILES
0 10 20 30 40 50 60 70 80 90 100 KILOMETERS
ILLINOIS DEPARTMENT OF ENERGY AND NATURAL RESOURCES
STATE WATER SURVEY DIVISION
PREPARED BY ANNA ZAHN
THE ZIP CODE BASE FILE.
COPYRIGHT BOARD OF TRUSTEES.
UNIVERSITY OF ILLINOIS

which the IEPA continues to track as potential contamination sources. The selected inventory contains facility name, address, number of employees, location and items related to the regulatory process, and is continually updated. When received, the Selected Inventory had 12,869 records pertaining to a slightly smaller number of facilities. Figure 1 is a map of the sites in the Selected Inventory file by zip code.

The Old Inventory Master file is a forerunner of the Selected Inventory file. It contains the same basic facility data as the Selected Inventory file plus fields for extensive details on the operations at each site. These fields, however, contain very little information. This file has not been incorporated directly into the database plan because the same facilities appear in the Selected Inventory file. The name, "Old Inventory", was used by the IEPA since the data were sent to the GWS in an older format used in past studies. Subsequently, the data items have been entered by the IEPA into their current format to create the Selected Inventory file.

The Old Generator Name and Address Master file is another precursor to the Selected Inventory file. It contains facility name, address, Dun's number and SIC code. As with the Old Inventory, its format is no longer in use and the information from the file is part of the Selected Inventory. Duplicates between the Old Inventory Master and the Old Generator Master have been eliminated by the IEPA whenever possible during their inclusion into the Selected Inventory file. It was not directly incorporated into the database plan, but has been retained for direct access to names and addresses until the database is in place.

The Hazardous Waste Master files are annual reports produced by the IEPA regarding hazardous waste activities in Illinois during the year. They contain regulation-related information about the disposal of hazardous wastes including sources of wastes, amounts, and methods of management. The data items of most interest for the HWRIC database are waste identifiers and waste quantities. The annual reports were derived from the IEPA data management system and therefore have not been directly incorporated into the database plan. They are retained in their original form for reference.

The Water Quality Standards Master file contains the water quality standards that have currently been set for about 250 water quality parameters. These standards include the drinking water standards regulated by the federal and state governments, as well as general use standards and parameter tracking levels of interest to the IEPA.

The Water Quality Analysis Master file contains water quality analysis results from monitoring wells and surface water sources at RCRA sites. These data are related to specific facilities by an identifier code. The sites included in the file are already in the Selected Inventory from the IEPA, and therefore included in the database plan.

The Manifest History files contain records of the chain of custody of hazardous substances from their creation to their disposal or reclamation. These files can be used to track wastes and to study the quantities of waste involved. These files were used by other HWRIC contractors in their research.

The Waste Disposal Application Master file contains information taken from applications to dispose of hazardous materials. It includes

data on the waste type, the waste origin, quantity of waste, waste characteristics, whether the application was approved or not, and regulatory information. This file can be used in combination with the Manifest History files for determining whether the projected volumes of hazardous wastes have actually been disposed of in Illinois. This file was also used by other HWRIC contractors.

The Generic Waste Stream Master file is a small file which is to be used in conjunction with the Waste Disposal Application Master to create categorical groupings of "generic waste streams". This was done to facilitate the multiple applications from some of the larger disposal sites. "Generic" refers to the fact that the IEPA has grouped sets of similar waste streams together under one heading so that a large site won't have to reapply for each stream within that group. Though detail is lost in some cases by using this scheme, the advantage lies in the ability to process many applications more rapidly.

The Permit Conditions Master file contains information about waste disposal sites which are required to monitor water wells around their perimeters. It was created in conjunction with the ground water system files of the IEPA data management system to help associate related information.

The National Technical Information Service (NTIS)

The Resource Conservation and Recovery Act of 1976 (RCRA) notification file contains basic information on facilities which submitted a Hazardous Waste Activity form. This form is the one used in the voluntary submission of information to the Federal government under RCRA. Data items included are name, address, general activity categories and

waste type codes. The file has 4651 records covering nearly that many facilities in Illinois. This file has been incorporated into the database plan. The RCRA data have also been used as the basis from which to select the activity types to be retained in the database as possibly related to hazardous substance activities. The RCRA file contains facilities which by owner admission are involved with hazardous waste, as required by the Act. Figure 2 is a map showing the RCRA sites by zip code.

The superfund file contains data on facilities submitting notifications of hazardous substance storage, treatment or disposal, as required in the CERCLA act of 1980. This file is much smaller than the RCRA file. The 480 Illinois sites on the list include all sites under review or presently on the National Priority List (NPL). There are only 22 Illinois sites on the NPL at the present time. The file includes names and addresses and waste quantity, source and type. This file has been used in the creation of the plan of the database of possible hazardous substance related activity sites. Figure 3 is a map of the CERCLA sites by zip code.

The U.S. Environmental Protection Agency (USEPA)

The Illinois listings from the National Surface Impoundment Assessment (SIA) have been provided by the USEPA. The SIA was a 1978 study which determined the potential for ground-water pollution from surface impoundments. The tape contains two files. The first file (which was incorporated into the database plan) contains the name, address and location (i.e., latitude-longitude) along with related information such as identification number for over 5000 sites. The

Figure 2.

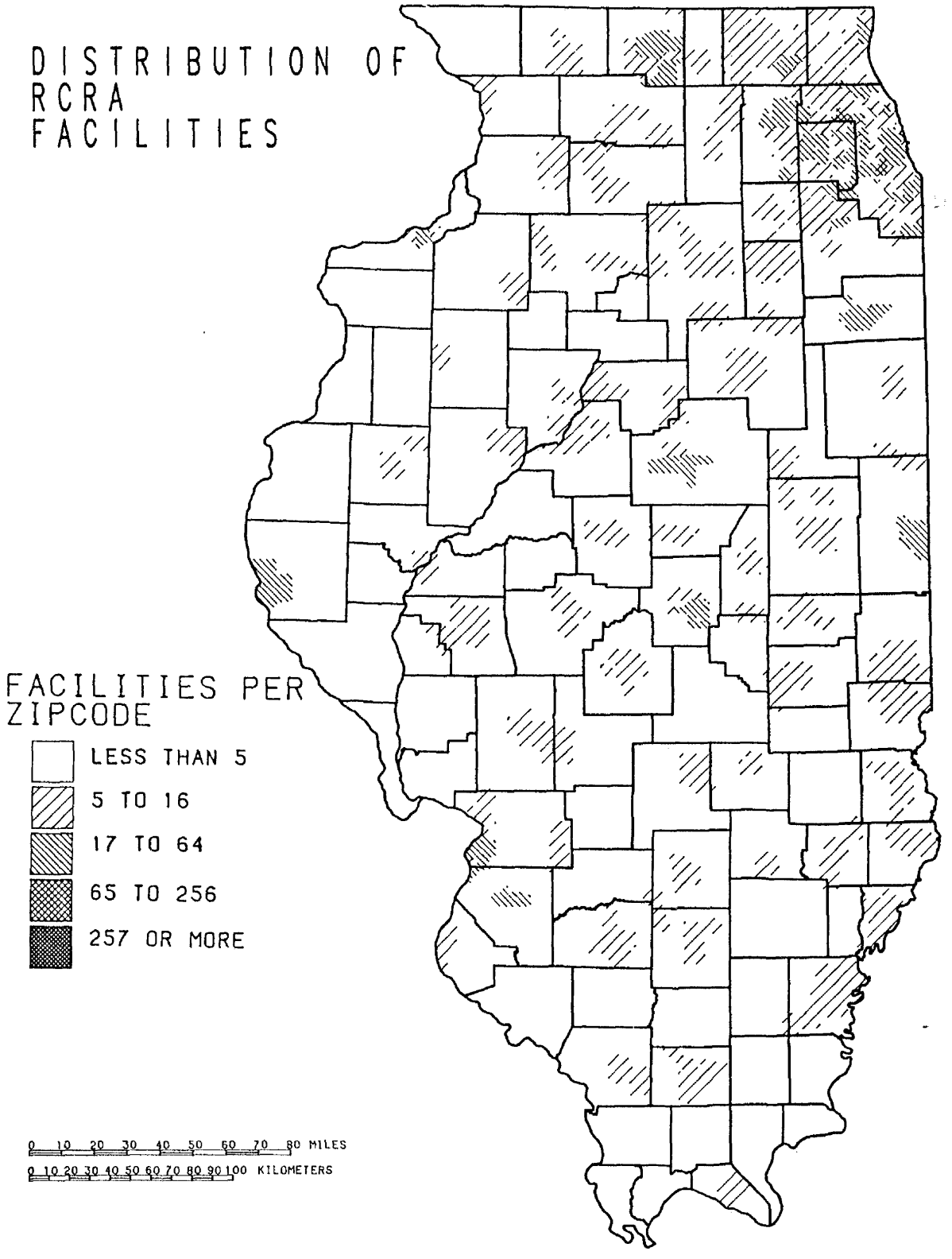
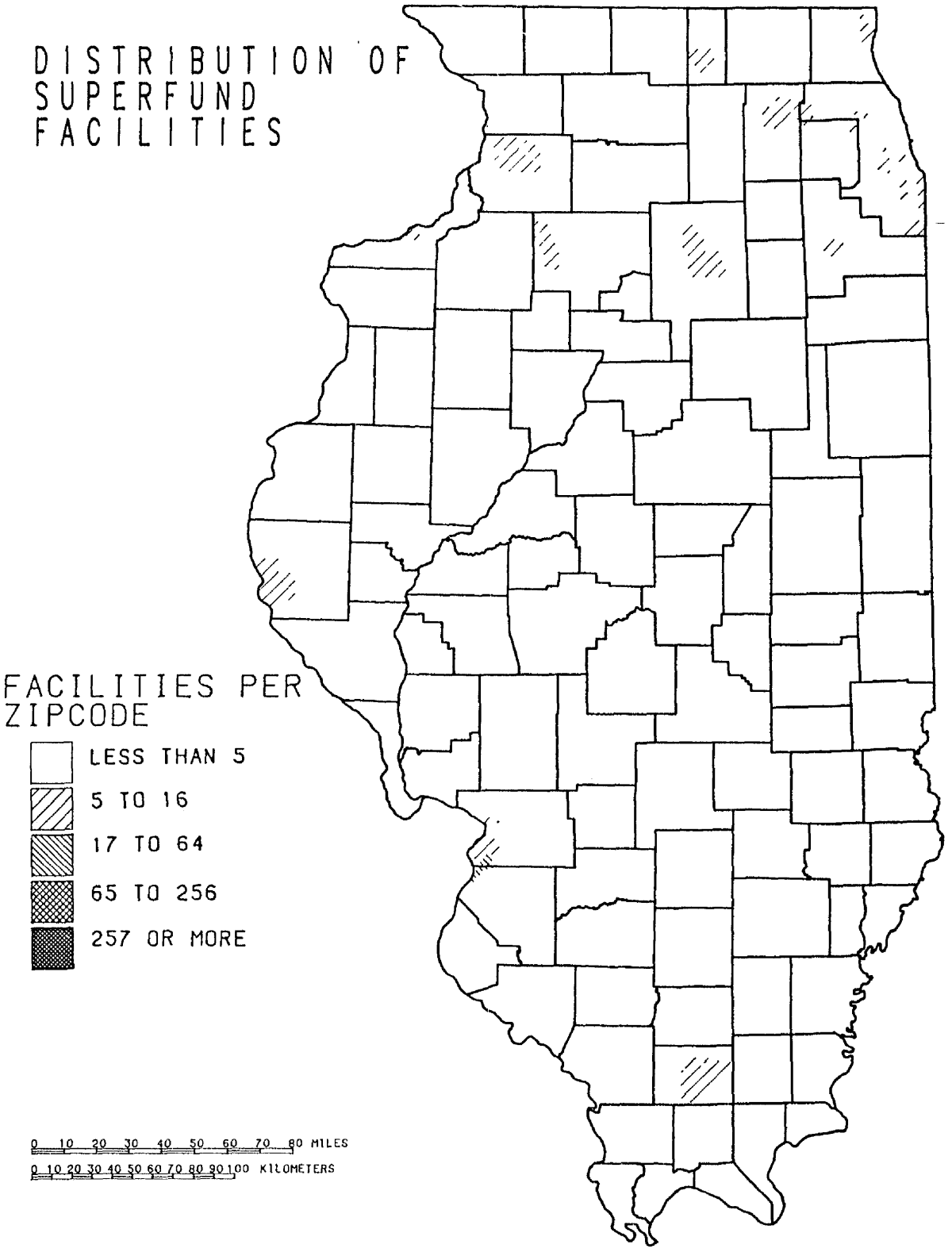

DISTRIBUTION OF RCRA FACILITIES
FACILITIES PER ZIPCODE
LESS THAN 5
5 TO 16
17 TO 64
65 TO 256
257 OR MORE
0 10 20 30 40 50 60 70 80 MILES
0 10 20 30 40 50 60 70 80 90 100 KILOMETERS
ILLINOIS DEPARTMENT OF ENERGY AND NATURAL RESOURCES
STATE WATER SURVEY DIVISION
PREPARED BY ANNA ZAHN
THE ZIP CODE BASE FILE,
COPYRIGHT BOARD OF TRUSTEES,
UNIVERSITY OF ILLINOIS

Figure 3.


DISTRIBUTION OF SUPERFUND FACILITIES
FACILITIES PER ZIPCODE
LESS THAN 5
5 TO 16
17 TO 64
65 TO 256
257 OR MORE
0 10 20 30 40 50 60 70 80 MILES
0 10 20 30 40 50 60 70 80 90 100 KILOMETERS
ILLINOIS DEPARTMENT OF ENERGY AND NATURAL RESOURCES
STATE WATER SURVEY DIVISION
PREPARED BY ANNA ZAHN
THE ZIP CODE BASE FILE.
COPYRIGHT BOARD OF TRUSTEES.
UNIVERSITY OF ILLINOIS

second file is related to the first by identification number and contains information on the impoundment(s) at the site such as the area, inflow, outflow and construction details as well as ground-water information. The Surface Impoundment Assessment study has never been updated, but it is complemented by the landfill inventory study being conducted by the Illinois State Geologic Survey (ISGS). Figure 4 is a map showing the distribution of surface impoundment sites by zip code.

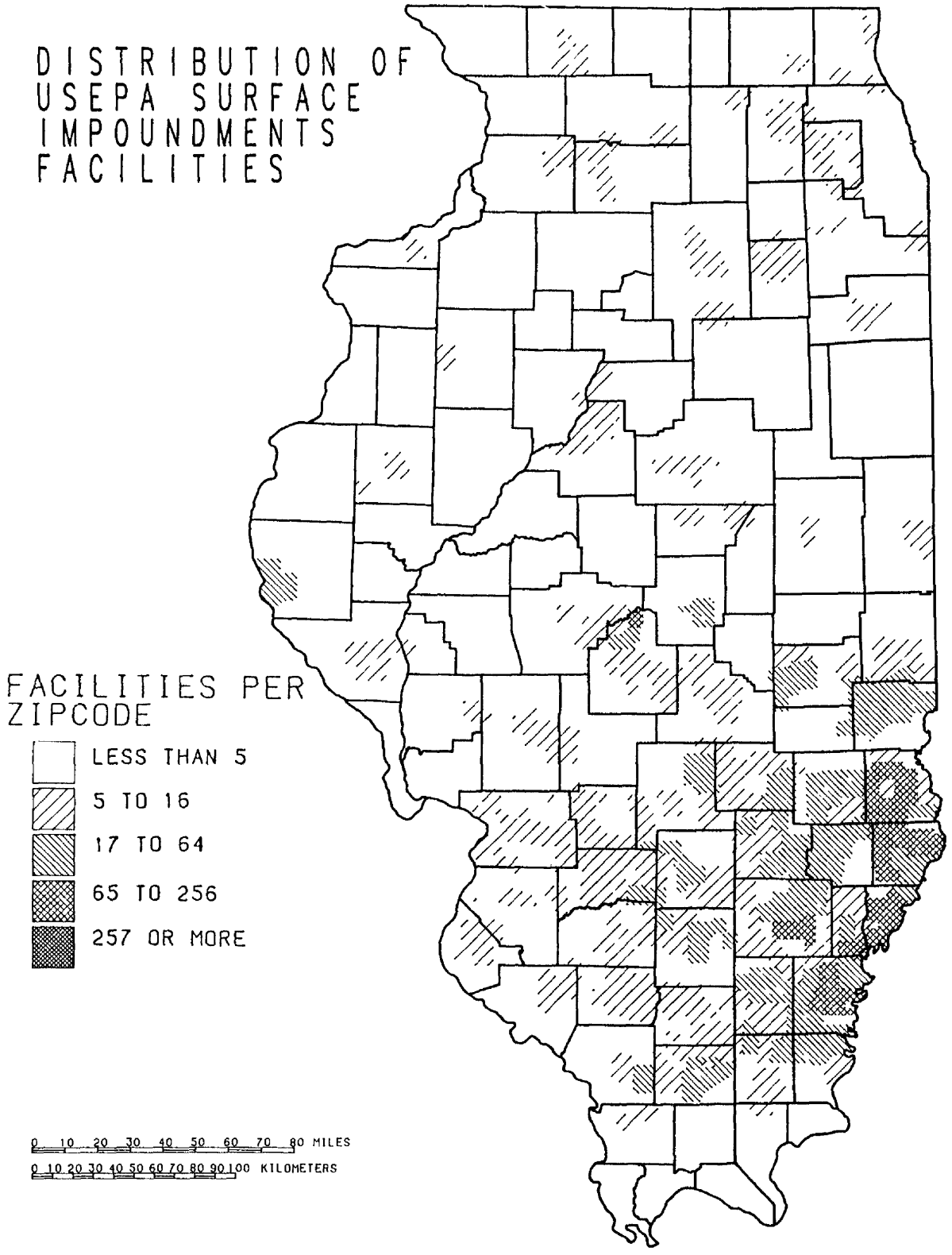
The Chicago Municipal Sanitary District (CMSD)

The CMSD has provided a listing of the facilities discharging waste to the Chicago sanitary sewer system. The data on 1557 facilities is limited to the name, address, a simple type of business code and a SIC code. This file was used in the creation of the database plan. The CMSD has more complete information on these sites, but it was not available in its entirety at the time of data acquisition. Figure 5 is a map showing the sites included in the CMSD file.

Dun and Bradstreet, Inc.

The State of Illinois Department of Commerce and Community Affairs purchased the Dun's Market Identifiers file from Dun and Bradstreet, Inc., and the data have since been made available to the ISWS. The file contains data from financial reports prepared by Dun and Bradstreet on businesses located in Illinois who have requested a credit rating. Each listing includes name, address, contact person and phone number, size indicators including the number of employees and sales figures, several SIC codes, the parent or subsidiary relationship of the business and the DUNS number. This last item is an internally unique site identifier included in some of the other source files. The

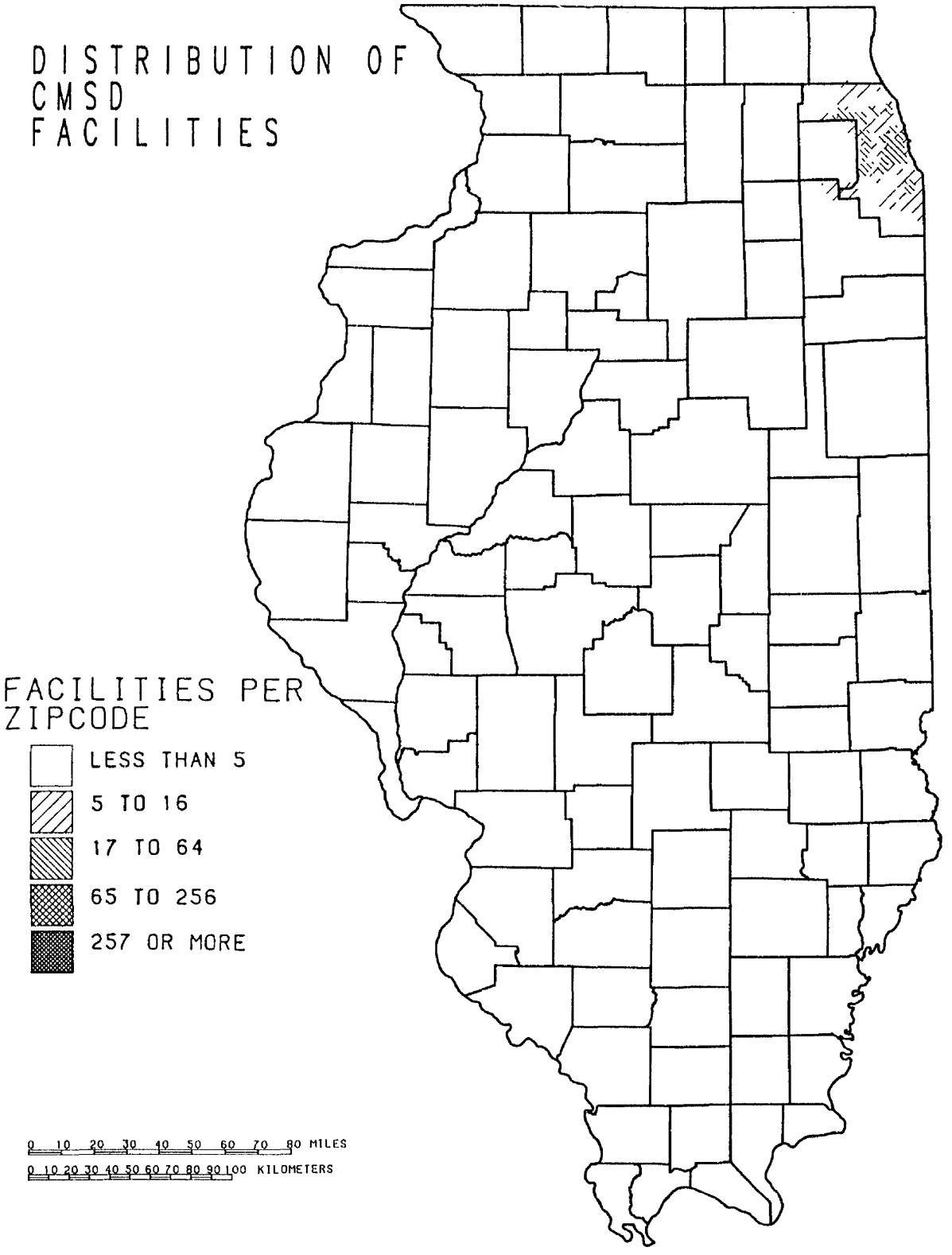
Figure 4.



ILLINOIS DEPARTMENT OF ENERGY AND NATURAL RESOURCES
STATE WATER SURVEY DIVISION
PREPARED BY ANNA ZAHN

THE ZIP CODE BASE FILE,
COPYRIGHT BOARD OF TRUSTEES,
UNIVERSITY OF ILLINOIS

Figure 5.



ILLINOIS DEPARTMENT OF ENERGY AND NATURAL RESOURCES
STATE WATER SURVEY DIVISION
PREPARED BY ANNA ZAHN

Dun's list contains listings for businesses which list a single address which is actually the office or dispatcher site, and not necessarily the site of the activity. An example of this is a waste disposal company which dispatches out of an office away from the disposal site. The Dun's data includes many segments of the industrial and service sectors which do not involve hazardous substances. The data pertaining to possible hazardous substance-related activity sites have been incorporated into the database plan.

Key Element Relationships

In order to relate the information in the various files, it is necessary to identify the key elements that occur in more than one file. Universal identifiers, such as name and address, have limitations for relating files because they can be expressed in numerous forms. A unique identifier code was the method of identification selected for this project.

The files supplied by NTIS, USEPA, the Chicago MSD, and Dun and Bradstreet were intially related to each other and to other files used to develop the database plan only by coincidence, if at all. It appears that the RCRA file from NTIS can be directly related to some of the records in the IEPA Selected Inventory file by the USEPA site number which is part of all RCRA records. Unfortunately, the USEPA site number does not appear in all of the IEPA Selected Inventory records. According to the IEPA, the USEPA numbers are being added to their files, and the updated versions will be available in September, 1985. The Dun and Bradstreet file can be related to the Old Generator Name and Address Master and the Surface Impoundment Assessment by the

DUNS number discussed above. Unfortunately, many of the records in the Old Generator Name and Address Master and the Surface Impoundment Assessment are missing this data item.

The 12 IEPA files are all interrelated. All but one are related by the IEPA inventory number which is an identification number created by IEPA for their data management system. The exception is the Water Quality Standards Master file which is related by Storage and Retrieval (STORET) number to the Water Quality Analysis Master. The inventory number is a ten digit code which contains three sub-elements: the FIPS county code, the municipality-township code and a sequence number. The inventory number is called the "site number" in the documentation of some of the files and the "generator number" in some others. The "generator number" and "site number" did not always correspond in the past. The "generator numbers" in the files have been revised by the IEPA since we received the tapes. The updated versions will include these revisions.

These file relationships are shown in Figure 6.

Analysis and Restructuring of Data Sets

Since the structure of the database was being determined simultaneously with this effort, the methods and goals used in the database development evolved during the project. A summary inventory list of sites which have possible hazardous substance related activity sites was created. In order to retrieve additional information about the activities at the site, it is possible to go from each site on the summary inventory list to the source files that list that site. This

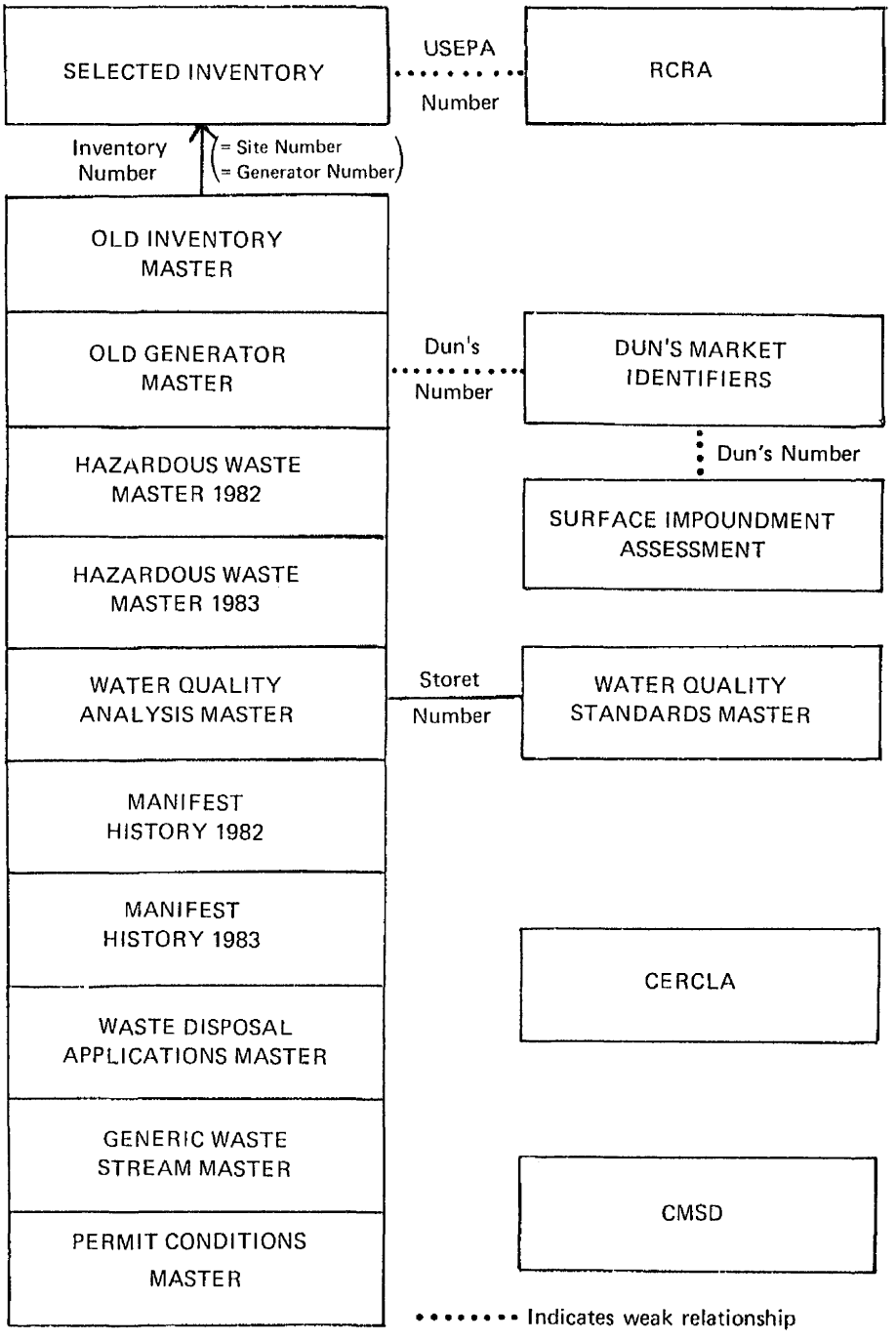


Figure 6. File Relationships

inventory list then is the summary list of the sites included in the database from all sources.

Combining Data Sets

The general method used in assembling the database plan was the creation of subsets of the source files. The subsets contained all possible site identifying data items. The subsets were combined so that data from various sources related to the same facility could be associated and compared. The files used to create the database plan are:

1. Selected Inventory
2. RCRA
3. CERCLA
4. Surface Impoundment Assessment
5. CMSD
6. Dun's Market Identifiers

The basic identifying items are name, address, zip code, other locational data and activity identifiers such as SIC code. Lacking any other universal identifiers, name and address were used for matching. Early scrutiny of the files showed that numerous ways to spell, abbreviate and punctuate names and addresses have been used among the files. This thwarts attempts at computer matching. The combination of the first word of the name with the first word (often the street number) of the address and the zip code yielded the most successful machine matches. In order to use this method every record had to contain a zip code. Fortunately, all the source files had zip code fields, although there was not necessarily a code in that field for every facility. Zip codes were found by hand for as many facilities as possible in order to fill out this data element. The source file subsets were concatenated

and sorted by the match fields described above. Adjacent lines were compared for matches. Successive matching lines were assigned a common identifying number. Due to the spelling and other problems mentioned, machine matching had to be supplemented by extensive hand checking to force some matches and to correct the few incorrect matches. As use of the base occurs, some further matches will be discovered and some erroneous matches will surface.

The result of the matching effort was a file containing site information from the various data sources. At this time, each line contained information from a single source, and possibly a newly determined zip code. Each line carried the unique identifier for that site so that records pertaining to the same site were grouped together. Each record was related by a unique identifier to its source record.

Choosing Sites Possibly Related to Hazardous Substances

Once the data from the sources had been matched, efforts turned to determining a primary Standard Industrial Classification (SIC) code for each facility. The SIC is a four digit code created by the Federal Census Bureau for statistical analysis of businesses. The purpose of the SIC system is to describe, in broad categorical terms, the activity of a business establishment. SIC codes are used by market researchers to identify markets and supplies. SICs do not denote all components in the waste stream composition. SIC codes range from 0110 to 9999. The first two digits define the Major Group. For example, the 0700 series is for Agricultural Services. The next two digits may break the type of activity down further. The 0720 series designates Crop Services, and within that category is 0723, Crop Preparation Services for Market,

Except Cotton Ginning. The use of the SIC code was adopted because it is a readily available system for coding activity data. Other activity identifiers are included in some source files such as written descriptions and short descriptors such as "transporter" or "generator", but the SIC code is the most common activity identifier in the files. Significant effort was expended to assure that SIC codes were assigned to each site because they offer a basis on which to select subsets of the database that represent a particular type of activity.

A single site may have many activities and thus many SIC codes. There is a primary SIC code which denotes the main activity, which may be followed by secondary, tertiary, etc., codes. The ratings are generally determined by the income produced by each activity. The source files allowed for one to six SIC codes for a given site. A non-primary SIC code of a large firm may indicate greater activity and hence potential for hazardous substance use than the primary SIC code of a smaller facility. For example, a large fabricated metal manufacturer would be designated by a primary SIC code from the 3400 group. The plant may also have a paint shop, which may have more activity than a nearby automotive paint shop with a primary SIC of 7535 (Automotive Repair Shops -- Paint Shops). Depending on its relative importance, the metal manufacturer's paint shop would be denoted by a lesser SIC code, or it might not be denoted in the database at all.

In order to assign a SIC code to as many sites as possible, some of the short descriptions of activity contained within the data were translated into SIC codes. Many of the descriptors in the data can represent several methods of waste disposal. Disposal activities are not differentiated in the SIC codes. A small number of artificial SIC

codes were created by the GWS staff to allow for differentiation of some types of disposal sites. After machine code assignment, a primary SIC code was selected for each facility. This involved the assigning of a hierarchy to the source data sets. Hierarchical assignments will be discussed in detail in a later section.

About 7000 facilities were still without a SIC code after this process was complete. SIC codes were hand assigned to more than half of these by locating another plant from the same company, or by using the Manufacturers Directory, or by inference from the name of the company. The philosophy behind this activity was that it is better to assign a SIC code, even if only at the general two digit level, than to have no activity identifier. A flag was created to indicate when a SIC code had been added so that it could be identified and used only if needed, and with full knowledge that it was a devised code. Another feature of the SIC code work was the elimination of "bad" SIC codes. The file contained SIC codes which did not exist on the official list of SIC codes published by the federal Office of Management and Budget, or were not created by the GWS. Again, hand work changed most of these to "good" SIC codes.

Since it was obvious that the Dun's data contained a large number of entries which have no association with hazardous substances, and since the Dun's data set was so large, the initial Dun's file was culled. This cull was based on SIC. Non-hazardous activities were removed from the Dun's data. This resulted in the removal of over 40% of the listings. After the entire inventory list for the database was completed, a further cull was done on the entire set to remove sites whose SIC indicated that the site was not associated with hazardous

substances. Appendix C contains the list of SIC codes selected for inclusion in the database.

Zip Codes

Zip codes are a useful tool in mapping data from the database. There are over 1400 zip code areas in Illinois. This spatial resolution is sufficient for statewide areal analysis of the distribution of facilities. However, actual point locations are best because they can be used independent of zip codes and on more detailed maps. Using computer generated mapping capabilities available to the SWS and the HWRIC, the addresses collected may possibly be converted to spot locations in future work. Within the scope of this project, zip code breakdowns were the only feasible way to plot activities. There are several advantages to using zip codes for spatial analysis of hazardous substance-related activities, including:

1. The zip code is the only location variable available in every one of the data sets. Some sets contained municipality data, some county names, but all contained zip codes.
2. Zip code designations provide finer spatial resolution than county level analysis (1433 zip codes vs. 102 counties).
3. Zip code designations maintain approximately similar population concentrations.

Areas which contain a greater number of facilities may be expected to have a greater potential risk from hazardous substance related sources. A distribution of facilities by zip codes is a rough approximation of potential population affected. The distribution of zip codes in Illinois is depicted in Figure 7.

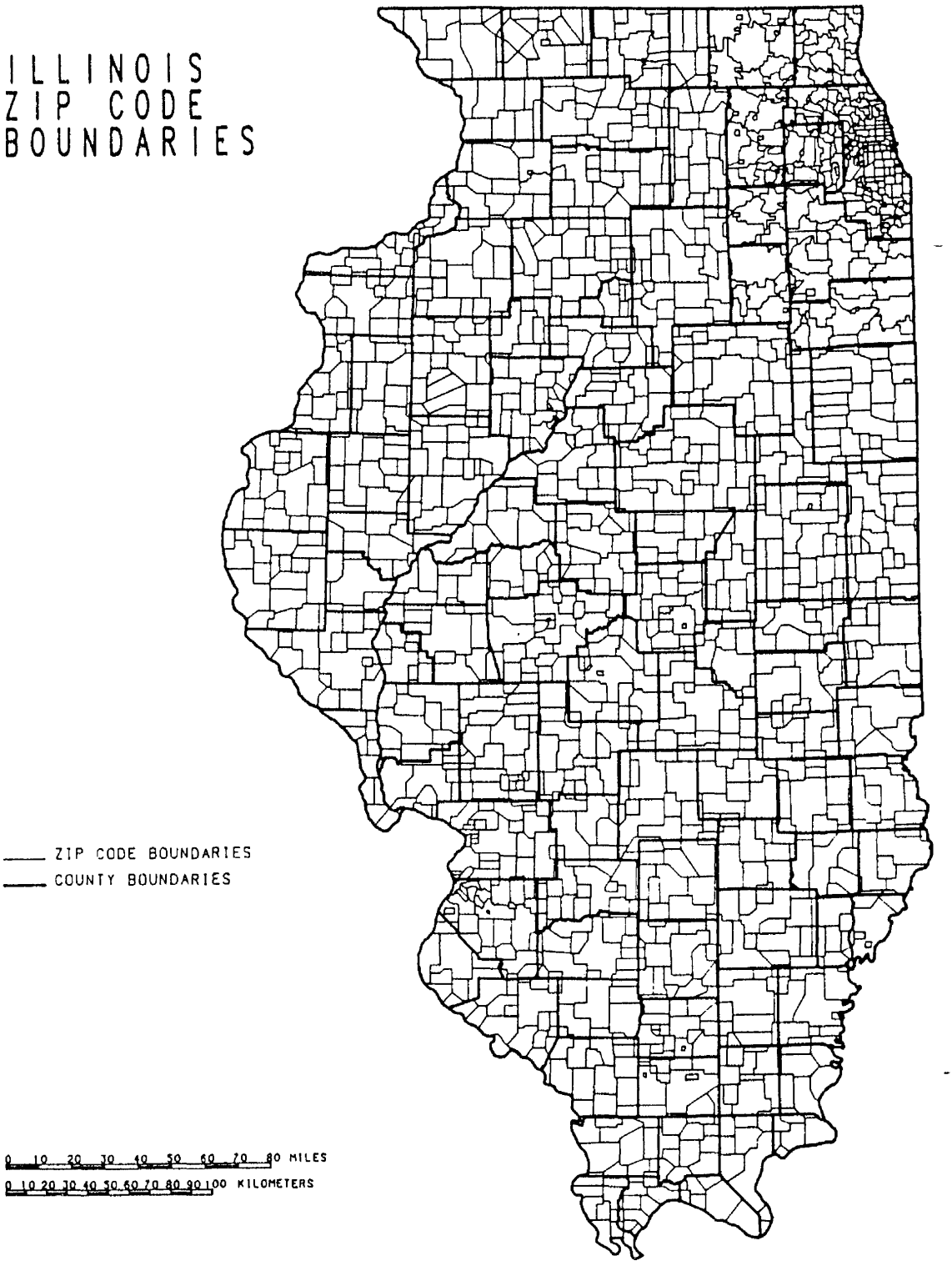

ILLINOIS
ZIP CODE
BOUNDARIES
ZIP CODE BOUNDARIES
COUNTY BOUNDARIES
0 10 20 30 40 50 60 70 80 MILES
0 10 20 30 40 50 60 70 80 90 100 KILOMETERS
ILLINOIS DEPARTMENT OF ENERGY AND NATURAL RESOURCES
STATE WATER SURVEY DIVISION
PREPARED BY MARK WASHBURN
THE ZIP CODE BASE FILE.
COPYRIGHT BOARD OF TRUSTEES.
UNIVERSITY OF ILLINOIS

Figure 7.

Size Indicators

Another useful piece of information for assessing the possible potential for hazardous waste related problems is the size of a facility. Clearly, other factors being equal, a larger facility will generally pose a greater threat to the environment simply because larger quantites of hazardous materials are involved. Size data can be used with SIC codes to produce subsets of the database that represent a particular type of activity, such as small dry cleaners versus dry cleaning plants. The number of employees is the only data item available which indicates size for a significant number of the facilities in the database. It is not always an accurate indicator of potential hazard. For example, landfills normally have few employees, but the facility may have a large potential for contamination. Another data item which indicates size is the annual sales figure, which is present in the Dun's data only. Size indicators could be utilized in a future study.

The Inventory List

In its final form, the summary inventory list for the database has 80,144 lines. This represents 66,584 sites whose data comes from a single source; 3,639 sites whose data comes from two sources; and 9,921 sites whose data comes from three or more sources. The Dun's file contributed the greatest number of lines. Each line begins with a unique site identifier created by the project team, designated as the X number. The X numbers were assigned consecutively to each separate site after the file had been sorted by zip code. Lines from various sources referring to the same site will have the same X number.

The formats of the lines differ depending on the source for the line. The first eleven fields, however, are standard for all sources. The first field of each line is the X number, followed by an identifier which indicates which source file contains the original data. The source identifier not only indicates from which source file the line came, but also indicates the line number of the record in that source file. The next field is the zip code, followed by up to five assigned SIC codes. These SIC codes were assigned by the following hierarchical structure:

```
 * 1)  RCRA injection well
 * 2)  RCRA TSDF
 * 3)  RCRA transporter
 * 4)  CERCLA facility type
   5)  Dun's - choose primary SIC
   6)  SIA - choose primary SIC
   7)  Selected Inventory - choose primary SIC
   8)  CMSD - choose primary SIC
 * 9)  CMSD hauler
 *10)  CMSD disposer
**11)  RCRA RNONE
**12)  CERCLA SNONE
***13)  Duplicated SIC
```

* These SIC codes were assigned during the project by taking a code given by the source file and applying a known or specially created SIC.
Example: The CMSD source file's second field is a code field; if the code letter "H" was in this field, the SIC code 4210 was assigned to that line.

** Because the RCRA and CERCLA files are so closely related to hazardous wastes, these two special SIC codes were designated for those sites which had as a source the RCRA or CERCLA files but for which no real SIC could be assigned.

*** Example: Site has two Dun's line sources; this was a way to keep the extra Dun's primary SIC code instead of overwriting and losing one of them.

For example, if a given site is listed in the RCRA file and an SIC is present, that SIC will be the primary SIC for all listings of that site. If the same site is listed in the CERCLA file and a SIC is

present, that SIC will be the secondary SIC for all listings of that site. If the site is listed only in the Surface Impoundment Assessment and a SIC is present, by default that SIC becomes the primary SIC for that site and the fields for additional SIC codes are blank.

Following the SIC codes are the name and address of the facility. A code field follows which indicates whether the primary SIC code was devised by the ISWS, whether the zip code was revised, whether the facility employs over 300 people, and other information. The remaining fields differ depending on the source file and contain information from that file. Refer to the file description in Appendix A for details. Figure 8 is a map of the facilities on the summary inventory list for the database by zip code.

Hierarchical Structure of Hazardous Waste Sites File for Database

SCS Engineers, Inc., of Bellevue, Washington, and the GWS research team conferred on the planning of the HWRIC database structure. The structure suggested in their final report includes a file which SCS calls the "HW Files" file which relates the key elements of the database. This file will need to be created in a fashion similar to the inventory list. The process used to select a primary SIC for each facility will have to be repeated for each data element in the database. The hierarchical structure used may be different for different data items, and some data items are only available from one source. It is recommended that the hierarchical structure presented in Table 2 be used to create the file for the HWRIC database.

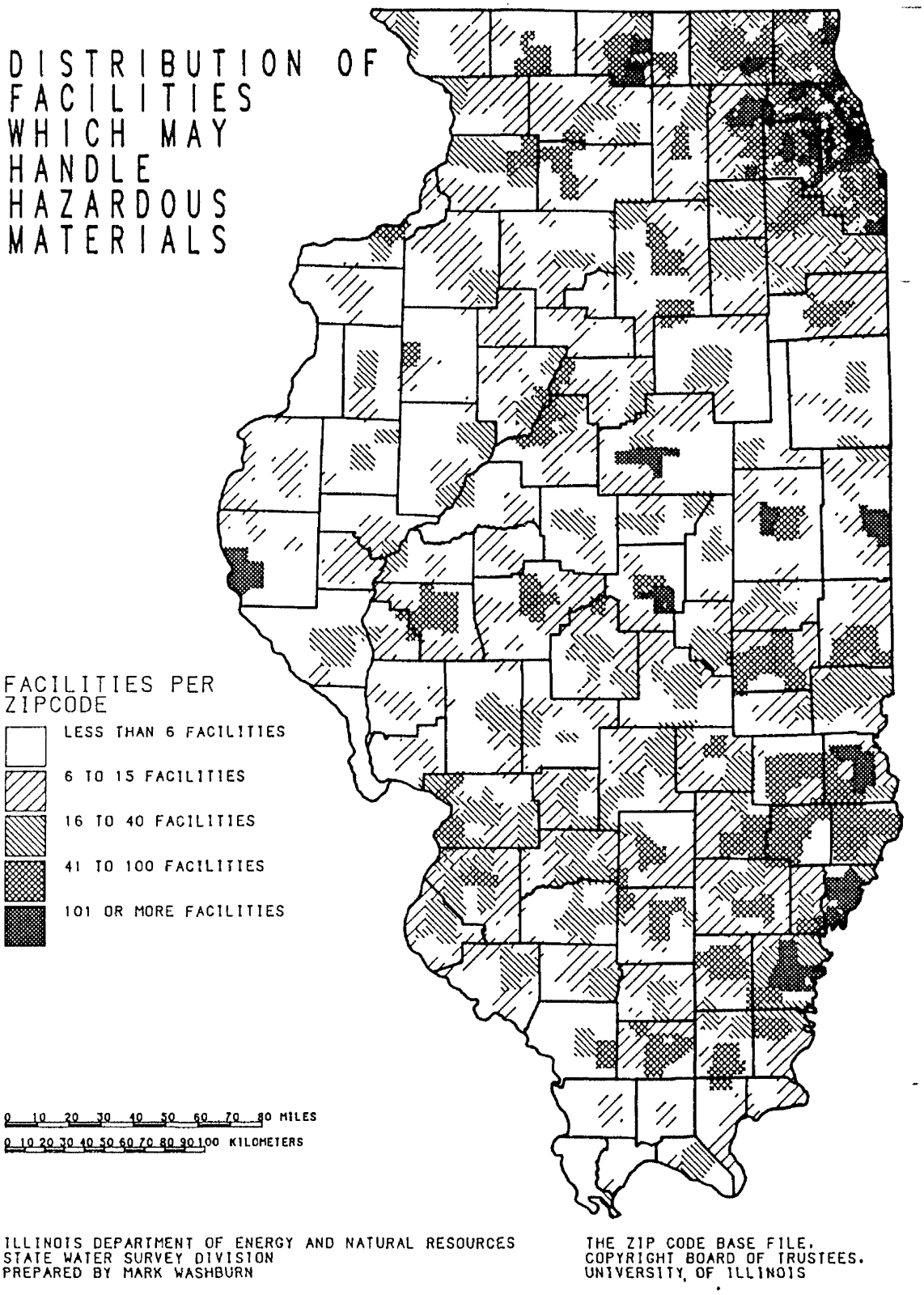

DISTRIBUTION OF FACILITIES WHICH MAY HANDLE HAZARDOUS MATERIALS
FACILITIES PER ZIPCODE
LESS THAN 6 FACILITIES
6 TO 15 FACILITIES
16 TO 40 FACILITIES
41 TO 100 FACILITIES
101 OR MORE FACILITIES
0 10 20 30 40 50 60 70 80 MILES
0 10 20 30 40 50 60 70 80 90 100 KILOMETERS
ILLINOIS DEPARTMENT OF ENERGY AND NATURAL RESOURCES
STATE WATER SURVEY DIVISION
PREPARED BY MARK WASHBURN
THE ZIP CODE BASE FILE.
COPYRIGHT BOARD OF TRUSTEES.
UNIVERSITY OF ILLINOIS

Figure8 .

Table 2. Hierarchical Structure for Data Element Selection

HW Site - Main File

IEPA site code	Selected Inventory File
USEPA ID	Resource Conservation and Recovery Act File Selected Inventory File
Latitude/Longitude	Surface Impoundments Assessment File Selected Inventory File
Legal Location	Surface Impoundments Assessment File Selected Inventory File
FIPS county code	Selected Inventory File Surface Impoundments Assessment File Dun's File Conversion of county code CERCLA File Conversion of county name
FIPS township code	Selected Inventory File
Place code	Selected Inventory File
Facility type code	Selected Inventory File Dependent Segment code Resource Conservation and Recovery Act File Generator code Treat/Store/Dispose code Underground injection code Transporter code Transporter modes Surface Impoundments Assessment File USE category code Chicago Municipal Sanitary District File Facility Type code
Facility DUNS number	Dun's File Surface Impoundments Assessment File Old Generator Master File
Operator DUNS number	Dun's File Surface Impoundments Assessment File Old Generator Master File
Number of employees	Dun's File Selected Inventory File Old Inventory Master File
Owner/operator codes	Selected Inventory File Type of owner/operator code Resource Conservation and Recovery Act File Federally owned Yes/No
Comments	Dun's File DMI Line of Business

Table 2. Concluded

HW Site - Name and Address File

Name	Dun's File Selected Inventory File Resource Conservation and Recovery Act File Chicago Municipal Sanitary District File Surface Impoundments Assessment File CERCLA File
Address	Dun's File Selected Inventory File Resource Conservation and Recovery Act File Chicago Municipal Sanitary District File Surface Impoundments Assessment File CERCLA File
Phone	Dun's File Resource Conservation and Recovery Act File CERCLA File Old Generatory Name and Address Master File
Contact	Selected Inventory File Facility contact person Facility operator contact person Property owner contact person Resource Conservation and Recovery Act File CERCLA File

HW Site - SIC File

SIC code	Dun's File Selected Inventory File Surface Impoundments Assessment File Chicago Municipal Sanitary District File

Verification of Data at Several Levels

When creating a database from many sources, one necessary, though difficult, step is verifying the information. Because of the volume of the data and the nature of the sources, much of the information was never verified by its original collectors. Furthermore, due to the varied age and diverse reasons for collection of the data, a considerable discrepancy was expected between the actual situation in Illinois today and that reflected in the compiled data. Complete verification of the entire summary list from the database is beyond the scope of the present work. However, it was important to determine, to some degree, what level of accuracy might exist in the data. Therefore, portions of the inventory list were selected for the verification process.

Verification from Paper Sources

Directories

Portions of the data were compared to the 1978 Census of Manufacturers. A census is completed every five years, and the results of the 1983 census are expected to be available in the near future. The census data are broken down by county and by SIC code. Thus, comparisons can be made between the total number of facilities of various types or the total number of facilities per county. The summary inventory list includes sites that are not manufacturers, such as disposal sites, therefore the database will have more hazardous substance related sites than any one file. In addition, the database will include facilities created after 1978 and facilities which were active only prior to 1978.

Further verification was pursued by comparison between a data subset based on zip code and a standard phone book. In most cases zip code areas and phone book coverage do not coincide, especially in large metropolitan areas where many towns are contiguous. This is less of a problem in downstate Illinois where towns and phone books and zip codes all represent the same general area. Records from the summary inventory list were considered verified if the facility could be found either in the phone book or the Illinois Manufacturers or Services Directories.

Three towns were checked: Calumet City, Danville, and Decatur. The results follow:

	Facilities		
Place	Verified	Not verified	Percent correct
Calumet City	17	22	44
Danville	111	54	67
Decatur	119	65	65

This work was done prior to the inclusion of the Dun's data and so does not reflect any facilities from that source. One reason for the discrepancies may be that the data are old and some sites are now inactive. The possibility that the local name for the industry differs from the name by which the IEPA knows it may also explain some discrepancies. In addition, there is the possibility that the IEPA or another agency has entered the address of a site which is not the mailing address for the facility. The actual site where the activity takes place may not be listed in the local phone book.

Comparison with a Prior Water Survey Study

A portion of the data from a 1983 study in Ogle and Winnebago Counties (Gibb, et al, 1983) was compared to data collected during this study of that area. Data from the previous study indicated whether sites located in that effort were active or inactive. The results follow:

	Subset of HWRIC Inventory List	Ogle-Winnebago Study (1983)
Total number of sites	1178	1069
Number of matching sites	672	672
Number of nonmatching sites	506	397
Percentage of sites matching	57	63

Of those facilities matching, 83% were active sites and 17% were inactive. Inactive implies abandoned or closed sites or merely a change of the activity type to one which does not involve hazardous substances. The sites appearing in the summary inventory list but not the Ogle-Winnebago study would include new facilities. The data for the Ogle-Winnebago study were collected in 1982, while some of the sources for the inventory list were updated in 1984. The sites listed in the Ogle-Winnebago study but not the summary inventory list may include now inactive sites. Historical records were extensively searched for the Ogle-Winnebago study. These are the reasons why there are more current sites in the database for Ogle and Winnebago Counties, and explains further why non-matching site numbers for the two studies are different.

Field Checking of Data

Nearby industrial and rural communities were selected for site field checking. The listings from two nearby zip codes were extracted from the inventory list for the database. The listings were sorted by street address and located or approximated on street maps of the area. A team of researchers drove the route to check the validity of the data. The results follow.

Field Checking of Two Zip Code Areas

	Zip code 1		Zip code 2		Combined	
Correct Name and Address	27	41.5%	81	50.6%	108	48.2%
Not Found or Wrong	7	10.7%	41	25.6%	48	21.3%
Residences	10	15.4%	28	17.5%	38	16.9%
Possibly Correct	21	32.3%	10	6.3%	31	13.8%
Total Number of Sites	65		160		225	
Discovered Sites, not on Master List	2		2		4	

Not Found or Wrong indicates that a business by another name was located at the address. In some cases there were indications that the cited business had recently moved from that location to another. The category designated as "residences" includes the homes of individuals who own or run businesses out of their homes. The designation of Possibly Correct indicates that the structure on the site was reasonable for the activity indicated, but there was no clear marking to verify the business name or type as that listed. The Discovered Sites were businesses which were located along the route which clearly displayed the potential for hazardous substance activity but which did not appear on the summary inventory list.

Residences which were used as offices or dispatching sites for businesses or services were not readily recognizable. By checking the phone book, especially the yellow pages, and frequently from looking at mail boxes, it was possible to determine that owner names matched business names. These matches were considered to be probably correct, but tabulated as "residences" in the original analysis.

In some instances, homes which were mailing addresses for businesses represent operations elsewhere, such as garbage disposal companies. In terms of the HWRIC database, these sites should be flagged as mailing addresses only, and not mapped as hazardous substance activity sites.

In order to differentiate between the types of residential sites, the list of SIC codes should be studied and perhaps different actions could be taken depending on the SIC code associated with the site. For example, perhaps all print shops below a certain size should be flagged as small, whether or not they are in residential districts. Then the zoning maps could be used to further delineate between actual sites and mailing addresses.

The total of correct sites, residences, and possibly correct sites is over 85%. This means that between 48% and 85% of the sites in the Master List are likely to exist. The 4 discovered sites are less than 2% of the total number of sites. As future work to refine, supplement, and clean up the base is done, the number of correct sites will obviously increase. At the same time it is recommended that the uses to which the database will be put be considered in order to either remove extraneous sites or flag entries to be only called upon for specific reasons.

DATABASE PERSPECTIVES

The key concepts which should be remembered when evaluating the HWRIC database or any other database are these:

1. Because of the nature of the existing information, a database of this type should never be considered complete. There will always be new data to be acquired. It is to be expected that many but not all errors will be eliminated from the database.
2. The uses to which the base will be put will undoubtedly change, thereby causing the value of the various data elements to change with the uses. Therefore, elements should not be removed from the data structure unless it is clear that they will not be useful for research and information.
   It is probably more expedient to flag a piece of data than to remove it, unless it is wrong, since changes in use may revalue an apparently worthless data element.
3. The simpler the structure and key element relationships, the more universally useful the overall product will remain.
4. Common sense and planning are the only way such a database can continue to serve the needs of the users. Whenever there is disagreement over an issue, one person should be the ultimate decision source in order to maintain continuity.

CONTRACTOR ASSISTANCE AND GUIDANCE

Guidance was provided to the DBMS contractor, SCS Engineers of Bellevue, Washington. The original intent of this task was to cast the principal investigator in the role of interface between the skele-

ton HWRIC staff, which at that time consisted only of the interim director, and the contractor. It quickly grew to involve the GWS research team in a detailed evaluation of the available data and how the data could best be used to develop the structure of the end product HWRIC database. The contractor spent several days in meetings and many hours in phone conversation with the GWS team. This coordinated effort provided the basis for the recommendations made by SCS Engineers concerning the database.

During the early part of the contract period, it became expedient for the HWRIC to provide the needed copies of some of the data acquired from the IEPA for the database initiation, as well as other data files, to other HWRIC contractors. An agreement was struck that the project team on this project would provide tapes and documentation copies when requested by the HWRIC with the knowledge of IEPA. This evolved to require that large amounts of time be spent in discussions with requestors about the data content, its sources and interpretation.

As an outgrowth of these arrangements, the IEPA and DENR staff have continued to send individuals, agencies, and research groups to us to receive information or copies of data. The HWRIC is in the process of establishing the policies which will govern the future dissemination of data, documentation, and information. In return for the help already provided, and similar future help, the IEPA will provide updated copies of data to keep portions of the HWRIC database current. These events have made the second part of the original contract mandate a much more valuable, albeit time consuming, effort.

CONCLUSIONS AND RECOMMENDATIONS

The initiation of the database of sites which potentially handle hazardous wastes was best conducted by analyzing the readily available data from relevant sources, and determining which of those data were useful to the HWRIC. Key element relationships between the source files were determined so that when the HWRIC computer system hardware and software become available, the files can be excerpted to include those data elements into the desired database. Some data elements were supplemented by hand in order that comparisons and analyses could be completed. It was necessary to make some decisions about which activities should be included in the database and which should not, on the basis of the probability that the activity involved the handling of hazardous wastes. It was also necessary to use the most commonly available locational element as the basis for sorting, matching and subsetting the data. This element was the zip code which was almost universally included in data files. Activity types were grouped and analyzed on the basis of the most commonly available identifier as well. This identifier was the SIC which admittedly cannot be used alone to determine waste stream components. Size indicators, though frequently available, cannot be used without discretion to determine the potential impact of an activity on the environment, with respect to the volume of hazardous waste it may yield.

Data verification showed that it is very difficult, if at all useful to try to verify data through paper sources alone. There are many reasons why an entry in a paper source may not be readily recognizable when a researcher is comparing it with information from a

variety of sources. The dynamic nature of businesses makes it important to be aware of the high probability that perhaps as much as 40% of the information contained in any database of this type may already be out of date, by the time it becomes available in computer form. The status of sites change rapidly, especially for medium and small sized businesses. Contrary to the expectations of the project team, a much higher percentage of information accumulated for the database was shown to be correct.

During the initiation of the database, the following recommendations have evolved:

1. ERRIS files should be reviewed to extract information which might be of use to the HWRIC, and that information coded into a file for the computer.
2. A more detailed file should be requested from CMSD when it is available, and this data incorporated into the database.
3. Each site should have a beginning and ending date so that duration of activity and possible present impact from a site may be assessed.
4. Historical information about sites which are not contained in current or recent records should be collected and added to one database.
5. Zoning information should be added to the files so that sites which are actually offices or mailing addresses for businesses whose hazardous wastes are stored or disposed of elsewhere may be flagged. There are two benefits to flagging such data. First, sites which should not be mapped as containing hazardous wastes can be removed from mapping files. Secondly, un-

listed sites where hazardous waste may be stored or disposed might be determined by contacting the businesses at the flagged sites.

6. HWRIC databases should be updated on a cyclic basis. This should be carried out on a pre-determined schedule which has been agreed to by the contributors of the data.
7. HWRIC should formulate a clearly stated policy for the dissemination of data and information in its possession. This policy should be known to and agreed to by the contributors of that information and data.

Appendix A. Detailed File Descriptions

1. Potential Hazardous Substance Activity Sites Inventory List
   A. File Description
   B. Example Listings

2. Selected Inventory File
   A. File Description and Summary
   B. Example Listings

3. Old Inventory Master
   A. File Description and Summary
   B. Example Listings

4. Old Generator Name and Address Master
   A. File Description and Summary
   B. Example Listings

5. Hazardous Waste Masters (1982 and 1983)
   A. File Descriptions
   B. Example Listings

6. Water Quality Standards Master
   A. File Description and Summary
   B. Example Listings

7. Water Quality Analysis Master
   A. File Description
   B. Example Listings

8. Manifest History Files (1982 and 1983)
   A. File Descriptions
   B. Example Listings

9. Waste Disposal Application Master
   A. File Description and Summary
   B. Example Listings

10. Generic Waste Stream Master
    A. File Description and Summary
    B. Example Listings

11. Permit Conditions Master
    A. File Description and Summary
    B. Example Listings

12. RCRA
    A. File Description and Summary
    B. Example Listings

13. CERCLA
    A. File Description and Summary

POTENTIAL HAZARDOUS SUBSTANCE ACTIVITY SITES INVENTORY LIST

A. File Description

This is the format of the Inventory list. Below are field numbers with their associated contents. Note that a field's contents are dependent on the line's source file, which is indicated by the Source file code letter.

A = Selected Inventory
M = CMSD
P = Surface Impoundment Assessment
R = RCRA
S = CERCLA
U = Dun's Market Identifiers

FIELD NUMBER	SOURCE FILE CODE LETTER A	M	P	R	S	U
1	X#	"	"	"	"	"
2	A#	M#	P#	R#	S#	U#
3	Zip code	"	"	"	"	"
4	Assigned SIC number one			"	"	"
5	Assigned SIC number two			"	"	"
6	Assigned SIC number three			"	"	"
7	Assigned SIC number four			"	"	"
8	Assigned SIC number five			"	"	"
9	Name	"	"	"	"	"
10	Address	"	"	"	"	"
11	Codes **	"	"	"	"	"
12	SIC	"	"	"	"	City
13	PO Box	City	SIC	ID#	City	Mail add
14	latit	State	Cnty FIP	Gener	State	Area cd
15	longit	SIC	lat deg	*1	Cnty Nm	Cnty cd
16	PM	*2	lat min	Inject	Fac cds	Nat of bus
17	range	ID#	lat sec	Transp	Wst cds	Year started
18	twp	hl SIC	longdeg	gen SIC	Fac SIC	Annual Sales
19	sec	dis SIC	longmin	tsd SIC		Emp here
20	1st qtr	gen SIC	longsec	inj SIC		Emp tot
21	2nd qtr		Opr Nm	trn SIC		SIC
22	3rd qtr		Opr Zip			SIC
23	4th qtr		Opr Addr			SIC
24	Cnty Cd					SIC
25	dep seg					SIC
26	USEPA#					SIC
27	SIC					Status ind
28	SIC					Subsid ind
29	SIC					Manfact ind
30	SIC					
31	SIC					
32	ds SIC					
33	numemp					

```
  $1         $2         $3    $4   $5 $6-$8          $9                              $10       $11     $12          $14 $15
X017530=U046569083=60007=2752=2752====FASTWAY PRINTING SERVICE INC=750-H NICHOLAS=1=ELK GROVE VLG=0=312=1
SO=OFFSET PRINTING=968=00002=00060=00100=2752======1=0=0
       $16           $17  $18    $19    $20 $21 $22-$26 $28$29
```

EXAMPLE OF DUNS LINE

```
  $1         $2         $3    $4   $5 $6-$8          $9                              $10     $11     $12        $13  $14 $15
X017565=U045685088=60007=2649=5113====FIDELITY CONTAINER CORPORATION=1601 LUNT=1=ELK GROVE VLG=1601=312=1
80=DISTRIBUTOR=968=00002=00210=00210=5113======0=0=1
       $16      $17  $18    $19    $20 $21 $22-$26 $28$29
```

EXAMPLE OF DUNS LINE

```
  $1         $2         $3    $4   $5 $6-$8          $9                $10     $11     $12       $13  $14 $15
X017565=U011167780=60007=2649=5113====FIDELITY GRAFCOR CORP=1601 W LUNT=1=ELK GROVE VLG=1601=312=180=MANU
FACTURES=981=00002=00060=00060=2649======0=0=0
$16       $17  $18    $19    $20 $21 $22-$26 $28$29
```

EXAMPLE OF DUNS LINE

```
  $1         $2         $3    $4   $5 $6-$8          $9                    $10                $11     $12         $14
X017570=U005112842=60007=2651=2651====FIELD CONTAINER CORPORATION=1500 NICHOLAS BLVD=1=ELK GROVE VLG=0=31
2=180=FOLDING PAPERBOARD=942=61000=06000=11000=2651=5093=====1=0=0
  $15          $16          $17  $18    $19    $20  $21    $22-$26 $28$29
```

EXAMPLE OF DUNS LINE

```
  $1       $2     $3    $4   $5 $6-$8          $9             $10         $11 $12 $13-----$23 $24 $25     $32$33
X017570=A02102=60007=2651=2651====FIELD CONTAINER=1500 NICHOLAS BLVD=1=2651============031=2=======0=B
```

EXAMPLE OF SELECTED INVENTORY LINE

```
  $1       $2     $3    $4    $5 $6-$8           $9                              $10        $11 $12 $13---$18
X017590=A02182=60007=4210=4953====FILM RECOVERY SYSTEMS/J CLARK=1855 GREENLEAF AVE=1=4210=======
=====031=2=ILD980896757======0=B
      $24       $26           $32 $33
```

EXAMPLE OF SELECTED INVENTORY LINE

```
  $1       $2     $3    $4    $5 $6-$8           $9                              $10          $11 $12
X017590=R04102=60007=4210=4953====FILM RECOVERY SYSTEMS/J CLARKE BAKER=1855 GREENLEAF AVE=1=4210
=ILD980896757=X=0=0=X=0=0=0=4210
      $13      $14 $16 $18 $20 $21

X017590=A02056=60007=4210=4953====FILM RECOVERY SYSTEMS=1855 GREENLEAF AVE=1=4210==420030=875650
=3=11E=41N=35=====031=2=======0=B

  $1       $2     $3   $4    $5 $6-$8           $9             $10         $11 $12      $13  $14 $15
X017590=M1520=60007=4210=4953====FILM RECOVERY SYSTEMS=1855 GREENLEAF AVE=1=4210=ELK GROVE=IL=00
00=D=870359137=0=4953=0
  $16  $17     $18 $19 $20
```

```
  $1         $2         $3    $4   $5 $6-$8          $9                          $10        $11   $12        $13 $14
X017695=U060366564=60007=5084=3537====FLAMINGO INDUSTRIES USA LTD*=2567 GREENLEAF=1=ELK GROVE VLG=0=31
2=180=IMPORTS EXPORTS=976=43000=00050=00350=5084=5051=5065=2448=5712=7699=1=0=0
  $15       $16          $17   $18    $19    $20   $21   $22   $23   $24   $25   $26    $28 $29

  $1      $2    $3    $4    $5-$8          $9                        $10        $11 $12         $13    $14 $15 $16 $17
X015810=M264=60007=SNONE=====COMMERCIAL MACHINE WORKS=1099 TOUHY AVE. =1S=3500=ELK GRV VIL=IL=0000=G=25146
1795=0=0=0
    $18 $20

  $1       $2     $3     $4   $5-$8             $9                    $10           $11 $12  $13 $14---$23 $24 $25
X015810=A02107=60007=SNONE=====COMMERCIAL MACHINE WORKS=1099 TOUHY AVENUE=1GS=3500=835===========031=2
=======0=660
$26-$31   $33

  $1     $2    $3     $4   $5-$8             $9                $10       $11 $12         $13         $14  $15     $17  $18
X015810=S94=60007=SNONE=====COMMERCIAL MACHINE WORKS=1099 TOUHY=1S=3500=ELKGROVE VILLAGE=IL=COOK=79=0018=0

  $1         $2         $3    $4   $5 $6-$8      $9            $10        $11  $12          $14 $15       $19     $21
X031620=U059448928=60010=7391=204====QUAKER OATS CO*=617 W MAIN ST=1=BARRINGTON=0=312=180=<===04000==7391
======2=0=1
      |   |
     $27  $29

  $1      $2     $3    $4   $5 $6-$8              $9                          $10        $11 $12 $13 $14 $15    $17
X031620=P391=60010=7391=204====QUAKER OATS CO-J STUART RES LAB=617 WEST MAIN ST=1S=2819=204=097=42=11=20=
088=09=45==
  |     |    |
$18    $20 $22  ??????

  $1       $2      $3    $4   $5 $6-$8      $9            $10       $11 $12        $13       $15 $17 $19 $21
                                                                                    |   |   |   |
X031620=R02908=60010=7391=204====QUAKER OATS CO=617 W MAIN ST=1S=2819=ILD059448928=X=0=0=0=0=0=0

 An example of a section of the file follows

  $1       $2      $3    $4                  $10                         $11                  $12      $14 $15 $16     $18     $20    $22 $23
X275680=Z241620=60450=2822======REICHOLD CHEMICALS INC=COLLINS ROAD P O BOX 550=P309=1=2822=2822=063=41=23=30=088=18=20=
X647580=Z392670=61434=4952======MAYOR AND COUNCIL=P O BOX 171=P4578=1=4952=4952=073=41=09=10=090=03=08=
X647580=Z392730=61434=4952======MAYOR AND COUNCIL=P O BOX 171=P4579=1=4952=4952=073=41=10=40=090=02=05=
X675385=Z402900=61614=4952======ILL DEPT OF TRANSPORTATION OFFICE #7=6035 N MT HAWLEY ROAD=P4346=1=2851=4952=203=40=36=40=089=14=40
X675385=Z402910=61614=4952=4952=====ILL DEPT OF TRANSPORATION=6035 N MT HOWLEY RD=P1846=1=4952=4952=095=40=54=30=090=09=00=
X675385=Z402910=61614=4952=4952=====ILL DEPT OF TRANSPORTATION=6035 N MT HAWLEY RD=P4347=1=4952=4952=203=40=36=40=089=13=52=
X684405=Z406030=61727=4953=4210=3351=SNONE===REVERE COPPER & BRASS INC=SOUTH SHERMAN STREET=P266=1=3351=3351=039=40=08=00=088=57=00
X766295=Z437080=62327=1311======J M WEAR==P2645=1=1311=1311=109=40=19=41=090=49=09=YETTER OIL CO=52601=321 S MAIN
X766295=Z437081=62327=1311======J BINNIE==P2648=1=1311=1311=109=40=20=17=090=51=29=YETTER OIL CO=52601=321 S MAIN
X766295=Z437082=62327=1311======J M MYERS==P2649=1=1311=1311=109=40=19=53=090=50=22=YETTER OIL CO=52601=321 S MAIN
X766315=Z437120=62327=1311======T M MCFADDEN==P2650=1=1311=1311=109=40=20=16=090=50=06=YETTER OIL CO=52601=321 S MAIN
X766315=Z437125=62327=1311======T C PAYNE==P2653=1=1311=1311=109=40=20=34=090=51=26=YETTER OIL CO=52601=321 S MAIN
X772150=Z439830=62414=1311======J D POTTER=R R 3=P4116=1=1311=1311=051=39=06=47=088=53=13=JARVIS BROS & MARCELL INC=62523=564 CITIZ
X772150=Z439835=62414=1311======J G MAIN=R R 1=P4133=1=1311=1311=051=39=07=53=088=50=21=EXXON CORPORATION=47712=8 NW 5 STREET
X772465=Z440130=62417=1311======H MITCHELL=R R 1=P2565=1=1311=1311=101=38=41=22=087=46=08=MARATHON OIL COMPANY=62417=BOX 277
X772465=Z440135=62417=1311======H R LEMERSON=R R 1=P2585=1=1311=1311=101=38=43=03=087=46=18=MARATHON OIL COMPANY=62417=BOX 277
```

** : Codes used in field 11:
(the first character of the field is a digit denoting
the list version number)
"S" - SIC code in field 12 supplied by ISWS
"H" - site is historical
"F" - site is an office
"D" - site is small (diminutive), less than 20 employees
"L" - site is large, more than 20 but less than 100 employees
"G" - site is giant, more than 100 employees
"Q" - followed by a zipcode, stores a zipcode replaced by ISWS
"J" - line of data is junk, judged to be spurious data

*1 : Treat/Store/Dispose code
*2 : Generator/Hauler/Disposer codes

SELECTED INVENTORY FILE

A. File Description and Summary

The Selected Inventory file contains 12869 observations, each of which has two parts: the inventory segment and a dependent segment. The inventory segment contains a number of EPA codes, locations and names and addresses for the facility, the owner, the operator and others. The dependent segment is one of 13 different lists of information as indicated by a code in field 81. Each observation has been divided into three lines in the base file in order to make the lines less than 512 characters long (a EUNICE limitation). The breaks occur between fields 53 and 54 and between fields 80 and 81. Since a given facility may have more than one dependent segment, the information in the inventory segment is repeated for each dependent segment. The dependent segments and their codes are as follows:

Dependent Segment Name	Code
Transporter	1
Generator	2
Landfill	3
Treatment	4
Surface Impoundment (Landfill Storage)	5
Land Application	6
Underground Injection	7
Barrel Area	8
Tank Area	9
Recycle/Reclamation	A
Illegal	B
Waste Pile	C
Transfer	D

The items included in the inventory segment are as follows:

Number of Records = 12,869

Field Number	Description: (Options)	Field Occupied (%)	Option Chosen (%)
1	IEPA inventory number	100.0%	
2	facility name	100.0%	
3	number of employees	100.0%	
4	type owner/operator code	79.4%	
	A: publicly owned/operated		
	B: pub owned/priv operated		
	C: privately owned/operated		
	D: priv owned/pub operated		
	Z: unclassified		

Field Number	Description: (Options)	Field Occupied (%)	Option Chosen (%)
5	type inspection code A: minor inspection at least once every 3 years B: major inspection at least annually Z: unclassified	79.3%	
6	facility under Regional Pol. Control Regs. (code identifies facilities subject to 35 172) A: yes B: no	79.3%	
/ 9	finance requirements codes:		
7	closure code A: yes B: no	57.5%	
8	post closure code A: yes B: no	57.2%	
9	liability insurance code A: sudden B: non-sudden C: now applicable D: both A and B	76.5%	
10-14	federal superfund codes (A=yes,B=no):		
10	state leader remedial code	76.4%	
11	state leader planned removal code	76.4%	
12	federal leader remedial code	76.4%	
13	federal leader planned removal code	76.4%	
14	federal leader emergency code	76.4%	
15-17	Illinois hazardous waste fund codes:		
15	remedial code A: yes B: no	76.0%	
16	planned removal code A: yes B: no	76.0%	
17	emergency code A: planned removal B: remedial action	0.2%	
18	latitude	15.5%	
19	longitude	15.5%	
20	mean sea level of highest point of facility	100.0%	
21-28	legal description (read in reverse as sw1/4,nw1/4,sec34.....):		
21	principal meridian	17.8%	
22	range	18.6%	
23	township	18.6%	
24	section	18.2%	
25	1st quarter	4.9%	
26	2nd quarter	4.3%	
27	3rd quarter	0.2%	
28	4th quarter	0.0%	

Field Number	Description: (Options)	Field Occupied (%)	Option Chosen (%)
29-36	facility contact information:		
29	street address	95.9%	
30	P.O. box	11.1%	
31	city	100.0%	
32	state	100.0%	
33	zip code	100.0%	
34	phone number	100.0%	
35	contact person	24.3%	
36	mailing indicator code	8.5%	
37-45	property owner contact information:		
37	name	75.5%	
38	street address	72.2%	
39	P.O. box	7.7%	
40	city	75.5%	
41	state	75.5%	
42	zip code	75.5%	
43	phone number	100.0%	
44	contact person	3.8%	
45	mailing indicator code	5.2%	
46-54	facility operator contact information:		
46	name	74.6%	
47	street address	71.8%	
48	P.O. box	7.6%	
49	city	74.6%	
50	state	74.6%	
51	zip code	74.6%	
52	phone number	100.0%	
53	contact person	2.4%	
54	mailing indicator code	3.2%	
55-63	home office contact information:		
55	name	1.4%	
56	street address	1.3%	
57	P.O. box	0.4%	
58	city	1.4%	
59	state	1.4%	
60	zip code	1.4%	
61	phone number	100.0%	
62	contact person	0.3%	
63	mailing indicator code	0.4%	
64-73	other contact information:		
64	name	0.1%	
65	street address	0.1%	
66	P.O. box	0.0%	
67	city	0.1%	
68	state	0.1%	
69	zip code	0.1%	
70	phone number	100.0%	
71	contact person	0.1%	

Field Number	Description: (Options)	Field Occupied (%)	Option Chosen (%)
72	title	0.1%	
	A: elected officials		
	B: engineer		
	C: USEPA		
	D: other state agency		
	E: other state		
	F: adjacent land owner		
	G: unclassified		
73	mailing indicator code	0.0%	
74-77	tips codes:		
74	country code:	100.0%	
	= 001		99.8%
75	state code:	100.0%	
	= 17		67.5%
76	county code:	100.0%	
	= 000		0.37%
	= 001 (Adams)		0.68%
	= 003 (Alexander)		0.68%
	= 005 (Bond)		0.50%
	= 007 (Boone)		0.36%
	= 009 (Brown)		0.43%
	= 011 (Bureau)		0.59%
	= 013 (Calhoun)		0.28%
	= 015 (Carroll)		0.33%
	= 017 (Cass)		0.37%
	= 019 (Champaign)		0.79%
	= 021 (Christian)		0.53%
	= 023 (Clark)		0.47%
	= 025 (Clay)		0.68%
	= 027 (Clinton)		0.44%
	= 029 (Coles)		0.58%
	= 031 (Cook)		25.65%
	= 033 (Crawford)		0.43%
	= 035 (Cumberland)		0.53%
	= 037 (DeKalb)		0.78%
	= 039 (DeWitt)		0.54%
	= 041 (Douglas)		0.29%
	= 043 (DuPage)		3.82%
	= 045 (Edgar)		0.37%
	= 047 (Edwards)		0.27%
	= 049 (Effingham)		0.47%
	= 051 (Fayette)		0.26%
	= 053 (Ford)		1.34%
	= 055 (Franklin)		0.52%
	= 057 (Fulton)		0.51%
	= 059 (Gallatin)		0.39%
	= 061 (Greene)		0.54%
	= 063 (Grundy)		0.53%
	= 065 (Hamilton)		0.15%
	= 067 (Hancock)		0.37%

Field Number	Description: (Options)	Field Occupied (%)	Option Chosen (%)
76	county code:		
	= 069 (Hardin)		0.09%
	= 071 (Henderson)		0.37%
	= 073 (Henry)		0.55%
	= 075 (Iroquois)		0.26%
	= 077 (Jackson)		0.57%
	= 079 (Jasper)		2.25%
	= 081 (Jefferson)		1.10%
	= 083 (Jersey)		0.23%
	= 085 (JoDaviess)		0.44%
	= 087 (Johnson)		0.26%
	= 089 (Kane)		3.82%
	= 091 (Kankakee)		0.99%
	= 093 (Kendall)		0.44%
	= 095 (Knox)		0.93%
	= 097 (Lake)		3.12%
	= 099 (LaSalle)		1.34%
	= 101 (Lawrence)		0.57%
	= 103 (Lee)		0.66%
	= 105 (Livingston)		0.69%
	= 107 (Logan)		0.29%
	= 109 (McDonough)		0.48%
	= 111 (McHenry)		1.62%
	= 113 (McLean)		1.11%
	= 115 (Macon)		1.03%
	= 117 (Macoupin)		0.52%
	= 119 (Madison)		1.66%
	= 121 (Marion)		0.64%
	= 123 (Marshall)		0.66%
	= 125 (Mason)		0.39%
	= 127 (Massac)		0.60%
	= 129 (Menard)		0.12%
	= 131 (Mercer)		0.34%
	= 133 (Monroe)		1.03%
	= 135 (Montgomery)		0.53%
	= 137 (Morgan)		0.51%
	= 139 (Moultrie)		0.59%
	= 141 (Ogle)		0.73%
	= 143 (Peoria)		1.21%
	= 145 (Perry)		0.28%
	= 147 (Piatt)		0.17%
	= 149 (Pike)		0.23%
	= 151 (Pope)		0.20%
	= 153 (Pulaski)		0.51%
	= 155 (Putnam)		0.16%
	= 157 (Randolph)		0.56%
	= 159 (Richland)		0.26%
	= 161 (Rock Island)		1.24%
	= 163 (St. Clair)		3.01%

Field Number	Description: (Options)	Field Occupied (%)	Option Chosen (%)
76	county code:		
	= 165 (Saline)		0.21%
	= 167 (Sangamon)		1.20%
	= 169 (Schuyler)		0.11%
	= 171 (Scott)		0.06%
	= 173 (Shelby)		0.23%
	= 175 (Stark)		0.12%
	= 177 (Stephenson)		0.43%
	= 179 (Tazewell)		1.03%
	= 181 (Union)		0.17%
	= 183 (Vermilion)		1.04%
	= 185 (Wabash)		0.12%
	= 187 (Warren)		0.09%
	= 189 (Washington)		3.33%
	= 191 (Wayne)		0.11%
	= 193 (White)		0.07%
	= 195 (Whiteside)		0.47%
	= 197 (Will)		2.09%
	= 199 (Williamson)		0.47%
	= 201 (Winnebago)		2.87%
	= 203 (Woodford)		0.21%
	= 205		0.02%
	= 209		0.10%
	= 211		0.008%
	= 213		0.02%
	= 215		0.03%
	= 217		0.008%
	= 219		0.05%
	= 225		0.008%
	= 227		0.02%
	= 233		0.008%
	= 235		0.008%
	= 245		0.008%
	= 263		0.008%
	= 321		0.008%
	= 423		0.008%
	= 439		0.008%
	= 453		0.008%
77	township code	100.0%	
78	land pollution control region code	67.5%	
79	date of facility land pollution control inventory	100.0%	
80	date of the last change	100.0%	

Field Number	Description: (Options)	Field Occupied (%)	Option Chosen (%)
81	dependent segment code:	100.0%	
	= 1 Transporter		14.17%
	= 2 Generator		65.77%
	= 3 Landfill		14.66%
	= 4 Treatment		1.40%
	= 5 Surface Impoundment (Landfill Storage)		0.30%
	= 6 Land Application		0.07%
	= 7 Underground Injection		0.11%
	= 8 Barrel Area		1.20%
	= 9 Tank Area		0.45%
	= A Recycle/Reclamation		1.18%
	= B Illegal		0.00%
	= C Waste Pile		0.17%
	= D Transfer		0.52%

A listing of the fields contained in each type of dependent segment follows. No summary information has been tabulated.

The Transporter dependent segment is flagged by code "1" and contains the following fields:

- closure date
- USEPA number
- sic code
- hauler permit number
- Illinois commerce commision number
- interstate commerce commision number
- hauler permit start date
- hauler permit expiration date
- reason code
  - A: denied
  - B: rejected
  - C: withdrawn
  - D: refer to
  - E: expired
  - Z: unclassified
- operation status code
  - A: operational
  - B: closed
  - C: closed final cover
  - D: closed no final cover
  - E: inactive
  - F: standby well
  - Z: other
- IEPA status code
  - A: agency notification
  - B: filing number
  - C: notified USEPA (part A notification)
  - D: seal orders
  - Z: other
- enforcement status code
  - A: board court ordered - enforcement
  - B: board court ordered - permit appeal
  - C: board court ordered - variance
  - Z: other
- permit status code
  - A: authorized by rule
  - B: permitted
  - C: permitted temporary
  - D: permitted by default
  - E: unpermitted, exempt from requirements
  - F: unpermitted, unauthorized
  - Z: other
- USEPA status code
  - A: part B permitted
  - B: notified USEPA (part A notification)
  - C: notified USEPA (CERCLA notification)
  - D: A and C
  - E: A and B
  - Z: other
- number of vehicles
- IEPA number

The Generator dependent segment is flagged by code "2" and includes the following:

- generator number
- closure number
- USEPA number
- sic codes - 5 four digit codes
- DOS permit number
- NPDES permit number
- air id number
- operation status code
  - A: operational
  - B: closed
  - C: closed final cover
  - D: closed no final cover
  - E: inactive
  - F: standby well
  - Z: other
- LEPA status code
  - A: agency notification
  - B: filing number
  - C: notified USEPA (part A notification)
  - D: seal orders
  - Z: other
- enforcement status code
  - A: board court ordered - enforcement
  - B: board court ordered -- permit appeal
  - C: board court ordered -- variance
  - Z: other
- permit status code
  - A: authorized by rule
  - B: permitted
  - C: permitted temporary
  - D: permitted by default
  - E: unpermitted, exempt from requirements
  - F: unpermitted, unauthorized
  - Z: other
- USEPA status code
  - A: part B permitted
  - B: notified USEPA (part A notification)
  - C: notified USEPA (CERCLA notification)
  - D: A and C
  - E: A and B
  - Z: other

The landfill dependent segment is flagged by code "3" and contains the following:

- waste generator facility code
  - A: yes
  - B: no
  - Z: unclassified
- off-site waste code
  - A: yes
  - B: no
  - Z: unclassified
- closure date
- USEPA number
- permitted site size in acres
- permitted landfill size in acres
- operation status code
  - A: operational
  - B: closed
  - C: closed final cover
  - D: closed no final cover
  - E: inactive
  - F: standby well
  - Z: other
- UEPA status code
  - A: agency notification
  - B: filing number
  - C: notified USEPA (part A notification)
  - D: seal orders
  - Z: other
- enforcement status code
  - A: board court ordered - enforcement
  - B: board court ordered - permit appeal
  - C: board court ordered - variance
  - Z: other
- permit status code
  - A: authorized by rule
  - B: permitted
  - C: permitted temporary
  - D: permitted by default
  - E: unpermitted, exempt from requirements
  - F: unpermitted, unauthorized
  - Z: other
- USEPA status code
  - A: part B permitted
  - B: notified USEPA (part A notification)
  - C: notified USEPA (CERCLA notification)
  - D: A and C
  - E: A and B
  - Z: other
- groundwater monitoring
  - A: yes
  - B: no
  - Z: unclassified

leachate collection
A: yes
B: no
Z: unclassified
DOS permit number
NPDES permit number
air id number
unit of measure waste reported
A: gallons
B: cubic yards
liner material used for landfill
A: recompacted clay
B: in situ clay
C: synthetic
D: combination
E: none
Z: other
hours of operation start time
hours of operation stop time
date landfill first permitted
expiration date of landfill permit
permitted waste accepted(A: yes, B: no)
demo
general refuse
special waste
hazardous waste
unclassified
unpermitted waste accepted - as permitted

The Treatment dependent segment is flagged by code "4" and contains the following:

closure date
USEPA number
sic codes - 5 four digit codes
federal handling codes - 15 three digit codes
DOS permit number
NPDES permit number
air id number
operation status code
A: operational
B: closed
C: closed final cover
D: closed no final cover
E: inactive
F: standby well
Z: other
USEPA status code
A: agency notification
B: filing number
C: notified USEPA (part A notification)
D: seal orders
Z: other

enforcement status code
- A: board court ordered - enforcement
- B: board court ordered - permit appeal
- C: board court ordered - variance
- Z: other

permit status code
- A: authorized by rule
- B: permitted
- C: permitted temporary
- D: permitted by default
- E: unpermitted, exempt from requirements
- F: unpermitted, unauthorized
- Z: other

USEPA status code
- A: part B permitted
- B: notified USEPA (part A notification)
- C: notified USEPA (CERCLA notification)
- D: A and C
- E: A and B
- Z: other

The dependent segment flagged by code "5" is known as either Surface Impoundment or Landfill Storage. There are two types of surface impoundment/landfill storage: disposal ponds and storage ponds. The "type of facility code" indicates which follows. The details follow:

segment indicator code

type of facility code
- 1: disposal impoundment
- 2: storage impoundment

USEPA number

waste generator facility code
- A: yes
- B: no
- Z: unclassified

off-site waste code
- A: yes
- B: no
- Z: unclassified

closure date

impoundment size in acres

total impoundment volume in cubic yards

operational status code
- A: operational
- B: closed
- C: closed final cover
- D: closed no final cover
- E: inactive
- F: standby well
- Z: other

IEPA status code
- A: agency notification
- B: filing number
- C: notified USEPA (part A notification)
- D: seal orders
- Z: other

enforcement status code
- A: board court ordered - enforcement
- B: board court ordered - permit appeal
- C: board court ordered - variance
- Z: other

permit status code
- A: authorized by rule
- B: permitted
- C: permitted temporary
- D: permitted by default
- E: unpermitted, exempt from requirements
- F: unpermitted, unauthorized
- Z: other

USEPA status code
- A: part B permitted
- B: notified USEPA (part A notification)
- C: notified USEPA (CERCLA notification)
- D: A and C
- E: A and B
- Z: other

groundwater monitoring
- A: yes
- B: no
- Z: unclassified

leachate collection
- A: yes
- B: no
- Z: unclassified

waste indicator
- A: hazardous
- B: non-hazardous
- C: combination
- Z: unclassified

USEPA hazardous waste codes - 10 four digit codes
DOS permit number
NPDES permit number
air id number
liner material
- A: recompact clay
- B: in situ clay
- C: synthetic
- D: combination
- E: none
- Z: other

number of ponds
length of ponds in feet
width of ponds in feet
depth of ponds in feet

maximum volume of ponds in cubic yards
generated on site/off site indicator
A: on site
B: off site
C: combination
Z: unclassified
long/short term indicator
A: long term = >90 days
B: short term = <90 days
C: combination
Z: unclassified

The Land Application dependent segment is flagged by code "6" and contains the following:

waste generator facility code
A: yes
B: no
Z: unclassified
off-site waste code
A: yes
B: no
Z: unclassified
closure date
USEPA number
land application size in acres
operation status code
A: operational
B: closed
C: closed final cover
D: closed no final cover
E: inactive
F: standby well
Z: other
IEPA status code
A: agency notification
B: filing number
C: notified USEPA (part A notification)
D: seal orders
Z: other
enforcement status code
A: board court ordered - enforcement
B: board court ordered - permit appeal
C: board court ordered - variance
Z: other

permit status code
A: authorized by rule
B: permitted
C: permitted temporary
D: permitted by default
E: unpermitted, exempt from requirements
F: unpermitted, unauthorized
Z: other
USEPA status code
A: part B permitted
B: notified USEPA (part A notification)
C: notified USEPA (CERCLA notification)
D: A and C
E: A and B
Z: other
groundwater monitoring
A: yes
B: no
Z: unclassified
leachate collection
A: yes
B: no
Z: unclassified
DOS permit number
waste indicator
A: hazardous
B: non-hazardous
C: combination
Z: unclassified
USEPA hazardous waste codes - 10 four digit codes
food chain
A: yes
B: no
Z: unclassified

The Underground Injection Well dependent segment is flagged by code "7" and includes the following:

USEPA number
waste generator facility code
A: yes
B: no
Z: unclassified
off-site waste code
A: yes
B: no
Z: unclassified
depth of well in feet
maximum injection pressure in psi

operation status code
- A: operational
- B: closed
- C: closed final cover
- D: closed no final cover
- E: inactive
- F: standby well
- Z: other

IEPA status code
- A: agency notification
- B: filing number
- C: notified USEPA (part A notification)
- D: seal orders
- Z: other

enforcement status code
- A: board court ordered - enforcement
- B: board court ordered - permit appeal
- C: board court ordered - variance
- Z: other

permit status code
- A: authorized by rule
- B: permitted
- C: permitted temporary
- D: permitted by default
- E: unpermitted, exempt from requirements
- F: unpermitted, unauthorized
- Z: other

USEPA status code
- A: part B permitted
- B: notified USEPA (part A notification)
- C: notified USEPA (CERCLA notification)
- D: A and C
- E: A and B
- Z: other

groundwater monitoring
- A: yes
- B: no
- Z: unclassified

leachate collection
- A: yes
- B: no
- Z: unclassified

well class
- 1: industrial, municipal, hazardous
- 2: regulated, mines-minerals
- 3: extract, minerals-energy
- 4: hazardous, radioactive
- 5: other

USEPA hazardous waste codes - 10 four digit codes

DOS permit number

The Barrel/Container Area dependent segment is flagged by code "6" and contains the following:

- USEPA number
- maximum number of containers
- total volume in gallons
- generated on site/off site indicator
  - A: on site
  - B: off site
  - C: combination
  - Z: unclassified
- long/short term indicator
  - A: long term = >90 days
  - B: short term = <90 days
  - C: combination
  - Z: unclassified
- waste indicator
  - A: hazardous
  - B: non-hazardous
  - C: combination
  - Z: unclassified
- USEPA hazardous waste codes - 10 four digit codes
- DOS permit number
- air id number
- operation status code
  - A: operational
  - B: closed
  - C: closed final cover
  - D: closed no final cover
  - E: inactive
  - F: standby well
  - Z: other
- IEPA status code
  - A: agency notification
  - B: filing number
  - C: notified USEPA (part A notification)
  - D: seal orders
  - Z: other
- enforcement status code
  - A: board court ordered - enforcement
  - B: board court ordered - permit appeal
  - C: board court ordered - variance
  - Z: other
- permit status code
  - A: authorized by rule
  - B: permitted
  - C: permitted temporary
  - D: permitted by default
  - E: unpermitted, exempt from requirements
  - F: unpermitted, unauthorized
  - Z: other

USEPA status code
- A: part B permitted
- B: notified USEPA (part A notification)
- C: notified USEPA (CERCLA notification)
- D: A and C
- E: A and B
- Z: other

groundwater monitoring
- A: yes
- B: no
- Z: unclassified

closure date

The Tank Area dependent segment is flagged by code "9" and contains the following:

USEPA number
permitted number of tanks
total volume of tanks permitted in gallons
generated on site/off site indicator
- A: on site
- B: off site
- C: combination
- Z: unclassified

long/short term indicator
- A: long term = >90 days
- B: short term = <90 days
- C: combination
- Z: unclassified

waste indicator
- A: hazardous
- B: non-hazardous
- C: combination
- Z: unclassified

USEPA hazardous waste codes - 10 four digit codes
DOS permit number
air id number
operation status code
- A: operational
- B: closed
- C: closed final cover
- D: closed no final cover
- E: inactive
- F: standby well
- Z: other

IEPA status code
- A: agency notification
- B: filing number
- C: notified USEPA (part A notification)
- D: seal orders
- Z: other

enforcement status code
- A: board court ordered - enforcement
- B: board court ordered - permit appeal
- C: board court ordered - variance
- Z: other

permit status code
- A: authorized by rule
- B: permitted
- C: permitted temporary
- D: permitted by default
- E: unpermitted, exempt from requirements
- F: unpermitted, unauthorized
- Z: other

USEPA status code
- A: part B permitted
- B: notified USEPA (part A notification)
- C: notified USEPA (CERCLA notification)
- D: A and C
- E: A and B
- Z: other

groundwater monitoring
- A: yes
- B: no
- Z: unclassified

closure date

The Recycle Reclamation dependent segment is flagged by code "A" and includes the following:

closure date
USEPA number
process method
- A: oils recovery
- B: solvents recovery
- C: metals recovery
- D: chemical reconditioning
- E: A and B
- F: secondary fuel blend
- Z: other process

sic codes -- 5 four digit codes
DOS permit number
NPDES permit number
air id number
operation status code
- A: operational
- B: closed
- C: closed final cover
- D: closed no final cover
- E: inactive
- F: standby well
- Z: other

IEPA status code
- A: agency notification
- B: filing number
- C: notified USEPA (part A notification)
- D: seal orders
- Z: other

enforcement status code
- A: board court ordered - enforcement
- B: board court ordered - permit appeal
- C: board court ordered - variance
- Z: other

permit status code
- A: authorized by rule
- B: permitted
- C: permitted temporary
- D: permitted by default
- E: unpermitted, exempt from requirements
- F: unpermitted, unauthorized
- Z: other

USEPA status code
- A: part B permitted
- B: notified USEPA (part A notification)
- C: notified USEPA (CERCLA notification)
- D: A and C
- E: A and B
- Z: other

The Illegal Dump/Transporter dependent segment is flagged by code "B". No instances of the type of dependent segment are included in the Selected Inventory as recieved from IEPA in 10/84. This segment includes the following:

USEPA number
type of illegal activity
- A: random dump
- B: open dump
- C: abandonment
- D: non-permitted transporter
- Z: other

type of waste dumped
- A: hazardous
- B: non-hazardous
- C: combination
- Z: unclassified

USEPA hazardous waste codes - 5 four digit codes
estimated quantity of waste dumped
unit of measure waste was reported
- A: gallons
- B: cubic yards

date dump/transporter was discovered
date dump was cleaned/transportation ceased
facility where waste was sent

status of dump cleaning
A: partially cleaned
B: completely cleaned
Z: unclassified

The Waste Pile dependent segment is flagged by code "C" and contains the following:
segment indicator
USEPA number
number of waste piles
length of piles
width of piles
height of piles
total volume of waste pile in cubic yards
generated on site/off site indicator
A: on site
B: off site
C: combination
Z: unclassified
long/short term indicator
A: long term = >90 days
B: short term = <90 days
C: combination
Z: unclassified
liner material
A: recompact clay
B: in situ clay
C: synthetic
D: combination
E: none
Z: other
waste indicator
A: hazardous
B: non-hazardous
C: combination
Z: unclassified
USEPA hazardous waste codes - 5 four digit codes
NOS permit number
air id number
operation status code
A: operational
B: closed
C: closed final cover
D: closed no final cover
E: inactive
F: standby well
Z: other

IEPA status code
- A: agency notification
- B: filing number
- C: notified USEPA (part A notification)
- D: seal orders
- Z: other

enforcement status code
- A: board court ordered -- enforcement
- B: board court ordered -- permit appeal
- C: board court ordered - variance
- Z: other

permit status code
- A: authorized by rule
- B: permitted
- C: permitted temporary
- D: permitted by default
- E: unpermitted, exempt from requirements
- F: unpermitted, unauthorized
- Z: other

USEPA status code
- A: part B permitted
- B: notified USEPA (part A notification)
- C: notified USEPA (CERCLA notification)
- D: A and C
- E: A and B
- Z: other

groundwater monitoring
- A: yes B: no
- Z: unclassified

closure date

The Transfer dependent segment is flagged by code "D" and contains the following:

USEPA number
total daily volume in cubic yards
waste indicator
- A: hazardous
- B: non-hazardous
- C: combination
- Z: unclassified

solid waste
- A: industrial
- B: general refuse
- C: combination
- Z: unclassified

USEPA hazardous waste codes -- 5 four digit codes
DOS permit number
NPDES permit number
air id number
sanitary district permit needed (A: yes,B: no)
sanitary district permit obtained (A: yes,B: no)

operation status code
- A: operational
- B: closed
- C: closed final cover
- D: closed no final cover
- E: inactive
- F: standby well
- Z: other

IEPA status code
- A: agency notification
- B: filing number
- C: notified USEPA (part A notification)
- D: seal orders
- Z: other

enforcement status code
- A: board court ordered - enforcement
- B: board court ordered - permit appeal
- C: board court ordered - variance
- Z: other

permit status code
- A: authorized by rule
- B: permitted
- C: permitted temporary
- D: permitted by default
- E: unpermitted, exempt from requirements
- F: unpermitted, unauthorized
- Z: other

USEPA status code
- A: part B permitted
- B: notified USEPA (part A notification)
- C: notified USEPA (CERCLA notification)
- D: A and C
- E: A and B
- Z: other

closure date

b Example Listings

The following are three example observations from the Selected Inventory file. An observation is one record (or line) from the file and it pertains to one facility. Each observation has been divided into three lines in the base file in order to make the lines less than 512 characters long (a UNIX limitation). As shown here each of the three lines in the base file has been further subdivided into parts in order to fit on 132 paper. Each line is separated into fields by equal-signs (=). The first field of the 2nd and 3rd lines of each observation is ">1" or ">2" respectively. These flags allow the lines to be diferentiated. The third line (>2) of each observation is the "dependent segment". See the file definition for a description of each field.

```
line one part 1:
|inventory| facility name                    |number  |*|*|*|finan|superfund|ilhaz|lati-  |longi-| mean |legal description      |
| number  |                                   |of empl-|1|2|3|cial |state&fed|waste| tude  | tude | sea  |p|rng|twp|se|qt|qt|qt|qt|
|         |                                   | oyees  | | | |codes| codes  |fund |       |      |level |m|   |   |ct|1 |2 |3 |4 |
-------------------------------------------------------------------------------------------------------------------------------------

     *1: type of operation code      *3: regional pollution control
     *2: inspection requirements code     regulations code
0010055001=ADAMS ELECTRICAL COMPANY     =0000000 = = = = = = = = = = = = = =      =      =000000= =   =   =  =  =  =  =

line one part 2:
| facility street         |PO box| city                 |st| zip     | phone num   | contact person          |*|
|                         |      |                      |  | code    |             |                         |4|
-------------------------------------------------------------------------------------------------------------

     *4  mail indicator code
=US HIGHWAY 24 EAST       =      =CAMP POINT           =IL=62320    =02175937701 =                         =

line one part 3:
| property owner name          | property owner street   |PO box| city                 |st| zip     | phone num   | contact person --
|                              |                         |      |                      |  | code    |             |
-------------------------------------------------------------------------------------------------------------------------------

=ADAMS ELECTRICAL COMPANY      =US HIGHWAY 24 EAST       =      =CAMP POINT           =IL=62320    =02175937701 =

line one part 4
|*| facility operator name       | facility op address     |PO box| city                 |st| zip     | phone num   | contact person -
|4|                              |                         |      |                      |  | code    |             |
-------------------------------------------------------------------------------------------------------------------------------

= =ADAMS ELECTRICAL COMPANY      =US HIGHWAY 24 EAST       =      =CAMP POINT           =IL=62320    =02175937701 =
```

```
line two part 1
|*|*| home office name                | home office address      |PO box| city                  |st| zip      | phone num   |
|5|4|                                  |                          |      |                       |  | code     |
-------------------------------------------------------------------------------------------------------------------------
      *5. line two flag
>1= =                                  =                          =      =                       =  =          =00000000000

line two part 2:
| home off contact person |*| other name                       | other address            |PO box| city                  |st| zip      |
|                         |4|                                  |                          |      |                       |  | code     |
-------------------------------------------------------------------------------------------------------------------------
=                         = =                                  =                          =      =                       =  =

line two part 3:
| phone num  | other contact person     |*|*| FIPS codes    |*|inventry|last chg| filler                | filler                |
|            |                          |6|4|USA|st|cty|twp|7| date   | date   |                       |                       |
-------------------------------------------------------------------------------------------------------------------------
      *6. other title                *7. region code
=00000000000 =                         = = =001=17=001=005=C=00309840=00000000=                    =                       =

line three
|*|*| dependent segment see examples of these on the next page ----->
|8|9|
-------------------------------------------------------------------------------------------------------------------------
     *8. line three flag              *9. dependent segment id
>2=2=00010050001 =00000000=            =000000=000000=000000=000000=000000=          =          =          =A=Z=Z=E=Z=          =


0010503002=BLICKHAN TRUCKING                =00000000=C=Z=Z=B=B=C=B=B=B=B=B=B=B= =      =      =000000= =    =    =  =  =  =  =  =
=RR #2                    =35    =MENDON                =IL=62351    =02179362424 =                                    =
=BLICKHAN TRUCKING              =RR #2                    =35    =MENDON                =IL=62351    =02179362424 =
= =BLICKHAN TRUCKING              =RR #2                    =35    =MENDON                =IL=62351    =02179362424 =
>1= =                               =                       =      =                      =  =         =00000000000
=                         = =                               =                             =      =                      =  =
=00000000000 =                         = = =001=17=001=050=C=00824840=00000000=                    =                       =
>2=1=00000000=            =000000=0029=          =         =00619790=00131850=Z=A=Z=Z=B=Z=000018=0010503002=          =


0010503003=WOODWORTH CESSPOOL               =00000000=C=Z=Z=B=B=C=B=B=B=B=B=B=B= =      =      =000000= =    =    =  =  =  =  =  =
=RURAL ROUTE 2            =204   =MENDON                =IL=62351    =02179362520 =                                    =
=WOODWORTH CESSPOOL             =RURAL ROUTE 2            =204   =MENDON                =IL=62351    =02179362520 =
= =WOODWORTH CESSPOOL             =RURAL ROUTE 2            =204   =MENDON                =IL=62351    =02179362520 =
>1= =                               =                       =      =                      =  =         =00000000000
=                         = =                               =                             =      =                      =  =
=00000000000 =                         = = =001=17=001=050=C=00824840=00000000=                    =                       =
>2=1=00000000=            =000000=1311=          =         =01208820=01231830=E=B=Z=Z=F=Z=000018=0010503003=          =
```

This file contains examples of all the types of "dependent segments" found in EPPP01, the Selected Inventory (EPA tape #1) The "?2" at the beginning of the line is a flag added to identify these dependent segments. The second field contains a single number or letter which identifies the type of dependent segment as follows:

1	Transporter
2	Generator
3	Landfill
4	Treatment
5	Surface Impoundment (Landfill Storage)
6	Land Application
7	Underground Injection
8	Barrel Area
9	Tank Area
A	Recycle/Reclaimation
B	Illegal (none found)
C	Waste Pile
D	Transfer

Numerically referenced fields in the dependent segments follow:

*1: line three flag	*11. waste indicator code
*2: dependent segment code	*12: on/off site code
*3: waste gen fac code	*13: long/short term code
*4: off site waste code	*14 food chain code
*5: groundwater monitor code	*15: well class code
*6: leachate collect code	*16. permited number of tanks
*7: unit measure report code	*17: process method code
*8: liner material code	*18: solid waste indicator code
*9: segment indicator code	*19: sanitary district need code
*10: facility type code	*20: sanitary district obtained code

line three Transporter dependant segment:

?*1	?*2	closure date	USEPA num	sic code	haul perm	IL CC num	ICC num	hauler dates start	hauler dates expire	status codz	number vehicl	IEPA num	filler
>2	=1	=00000000		=000000	=0029	=		=00619790	=00131850	=Z=A=Z=Z=B=Z	=000018	=0010503002	=

line three Generator dependent segment:

?*1	?*2	generator number	closure date	USEPA num	sic codes repeats 5 times	DOS permit number	NPDESperm number	AIR id number	status codes	filler
>2	=2	=00010650012	=00000000=		=000000=000000=000000=000000=000000=	=	=		=A=Z=Z=E=Z=	=

line three Landfill dependent segment

*1	*2	*3	*4	closure date	USEPA num	size permit	size fill	status codes	*5	*6	DOS permit number	NPDESperm number	AIR id number	*7	*8	hours of oper start	hours of oper stop	permit dates first	permit dates expire	waste&not perm cods
>2=3=	=	=00000000=			=000000	=001500	=C=Z=	=E=	=B=	=		=	=	=	=	=000000	=000000	=010167	=020576=	= = = =

line three Treatment dependent segment part 1

*1	*2	closure date	USEPA number	sic codes repeats 5 times					fed handling codes repeats 15 times															
>2=4=00000000=			=000000	=000000	=000000	=000000	=000000=		=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=

line three Treatment part 2:

DOS permit number	NPDESperm number	AIR id number	status codes	filler
=	=	=	=A=Z=Z=F=Z=	=

line three Landfill Storage dependent segment part 1:

*1	*2	*3	*4	USEPA number	*9	*10	closure date	impoundment size	impoundment volume	status codes	*5	*6	*11	USEPA hazardous waste numbers repeats 10 times								
>2=5=	1=	2=	ILD005109525=	=	=00000000	=0000	=00000000	=A=C=Z=A=B=B=		=A=F001=K062=	=	=	=	=	=	=	=	=	=	=	=	=

line three Landfill Storage part 2:

DOS permit number	NPDESperm number	AIR id number	*8	pond data items numb	lgth	wdth	dpth	max volume	*1	*2	*3	filler
=	=	=031024AAI=	B=	0010=	1100=	0700=	0000=	0000000000=	A=	A=		=

line three Land Application dependent segment:

*1	*2	*3	*4	closure date	USEPA number	landap size	status codes	*5	*6	DOS permit number	*11	USEPA hazardous waste number repeats 10 times							*14	filler	
>2=6=	1=	A=	B=	=00000000=	ILD005476882=	=000000=	A=C=Z=B=B=A=A=				=A=K048=D002=K051=K050=	=	=	=	=	=	=	=B=		=	

line three Underground Injection Well dependent segmnet:

*1	*2	*9	USEAP number	*3	*4	well depth	inject pressr	status codes	*5	*6	*1 *5	*1 *1	USEPA hazardous waste number repeats 10 times									
>2=7=	1=	ILD042075333=	A=	B=	=000000	=000000	=A=Z=Z=B=Z=A=Z=		5=	A=	=	=	=	=	=	=	=	=	=	=	=	=

line three Barrel Area dependent segment

*1	*2	*9	USEPA number	max no barrls	total volume	*11 *21	*13 *31	USEPA hazardous waste number repeats 10 times	DOS permit number	AIR id number	status codes	*15	closur date
>2=B=1=ILD010299147=000008=00000000=A=Z=A=D006=D007=D008=F007=								= = = = = = =	=		=A=Z=Z=E=Z=Z=000000		

line three Tank Area dependent segment:

*1	*2	*9	USEPA number	*	total volume	*11 *21	*13 *31	USEPA hazardous waste number repeats 10 times	DOS permit number	AIR id number	status codes	*15	closure date
>2=9=1=ILD087157251=000=00000000=B=A=A=D001=F001=F002=F003=F004=F005=								= = =	=19800380P	=063801AAA=A=C=Z=B=B=B=00000000=			

line three Recycle/Reclaim dependent segment:

*1	*2	closure date	USEPA number	*17	sic codes repeats 5 times	DOS permit number	NPDESperm number	AIR id number	status codes	filler
>2=A=00000000=ILD087157251=F=000000=000000=000000=000000=000000=19800380P				=				=063801AAA=A=C=Z=B=B=		=

line three Waste Pile dependent segment part 1

*1	*2	*9	USEPA number	waste pile data items numb	lgth	wdth	hght	volume	*11 *21	*18 *31	USEPA hazardous waste number repeats 10 times	DOS permit number
>2=C=1=				=0002	=0002	=0002	=0002	=00000000	=Z=Z=Z=Z=		= = = = = = = = = =	=

line three Waste Pile part 2:

AIR id number	status codes	*15	closure date	filler
=	=A=Z=Z=E=Z=B=00000000=			=

line three Transfer dependent segment:

*1	*2	*9	USEPA number	daily totvol	*11 *21	*18 *31	USEPA hazardous waste number repeats 10 times	DOS permit number	NPDESperm number	AIR id number	*19	*20	status codes	closu date
>2=D=1=				=000008	=B=Z=		= = = = = = = = = =	=	=	=	=	=	=A=Z=Z=F=Z=00000	

OLD INVENTORY MASTER

A. File Description and Summary

The IEPA maintains a hazardous waste Land Inventory Master also known as the Old Inventory Master. One part of this is the Disposal Site Inventory file which contains extensive data including information on the site and the waste streams. Column numbers are shown for this file for use with the example computer output as follows:

Number of Records = 3,838

field	occurs	%		original columns
1	3838	100%	field one contains the card designator, the symbol)1 or)2	n.a.
2	3599	93.77%	region code	1-1
2	1173	30.56%	= H	
			site codes:	
3	3838	100%	FIPS county code	2-4
4	3838	100%	municipality or TWP code	5-7
5	3838	100%	registration number	8-9
5	1	0.03%	= 0	
			legal description of site:	
6	2343	61.05%	qtr/half (1)	10-11
6	1089	28.37%	= H	
7	2694	70.19%	qtr/half (2)	12-13
7	1381	35.98%	= H	
8	3838	100%	section	14-15
8	1149	29.94%	= 0	
9	2746	71.55%	twp	16-18
10	2746	71.55%	rng	19-21
11	3838	100%	PM	22-22
11	1165	30.35%	= 0	
12	2013	52.45%	metes and bounds	23-23
12	34	0.89%	= Y	
12	1979	51.56%	= N	
13	3838	100%	permit number	24-28
13	3261	84.97%	= 0	
14	516	13.44%	permit type	29-30
14	2	0.05%	= 0	
15	3838	100%	site operation code: private/public	31-31
15	1259	32.80%	= 0	

field	occurs	%		columns
16	3838	100%	site ownership code: private/public	32-32
16	1171	30.51%	= 0	
17	3838	100%	P.C.B. order number	33-38
17	3754	97.81%	= 0	
18	3838	100%	date P.C.B. order expires	39-44
18	3830	99.79%	= 0	
19	3838	100%	our sequence number G99999	n.a.
20	0	0%	completely empty filler	n.a.
21	0	0%	PCB variance orders	45-244
22	3838	100%	LPCFC010 date	245-250
22	6	0.16%	= 0	
			owner:	
23	3838	100%	added field owner town	
24	3543	92.31%	company name	251-270
25	3819	99.51%	name	271-289
26	3701	96.43%	street address	290-305
27	3829	99.77%	city	306-319
28	3829	99.77%	state	320-321
28	59	1.54%	= N	
29	3761	97.99%	zip code	322-326
29	1	0.03%	= N	
30	3838	100%	LPCFC020 date	327-332
30	53	1.38%	= 0	
			operator:	
31	3818	99.48%	added field operator town	
32	3783	98.57%	company name	333-352
33	3550	92.50%	name	353-371
34	3472	90.46%	street address	372-387
35	3574	93.12%	city	388-401
36	3608	94.01%	state	402-403
36	18	0.47%	= N	
37	3539	92.21%	zip code	404-408
37	2	0.05%	= 0	

Field	occurs	%		columns
38	3770	98.23%	operation status code	409--409
38	1	0.03%	= 0	
39	3792	98.80%	legal status code	410--410
39	254	6.62%	= 0	
40	3838	100%	site physical character code	411--411
40	1229	32.02%	= 0	
41	3837	99.97%	operation start year	412--413
41	1581	41.19%	= 0	
42	3838	100%	anticipated remaining life	414--416
42	2787	72.62%	= 0	
43	3838	100%	total area	417--420
43	1593	41.51%	= 0	
44	3838	100%	area to be used for disposal	421--424
44	1762	45.91%	= 0	
45	3838	100%	loads per day - public vehicles	425--427
45	3476	90.59%	= 0	
46	3552	92.55%	loads per day - private vehicles	428--430
46	2715	70.74%	= 0	
47	52	1.35%	filler	431--433
47	39	1.02%	= 0	
48	2634	68.63%	refuse last year quantity	434--441
48	1070	27.88%	= 0	
48	9	0.23%	= Y	
49	1588	41.38%	unit	442--442
49	1	0.03%	= 0	
49	1387	36.14%	= Y	
50	1860	48.46%	means	443--443
50	258	6.72%	= 0	
51	3836	99.95%	site zoning code	444-444
51	1824	47.52%	= 0	
51	1	0.03%	= Y	
52	3837	99.97%	surounding land use code	445--445
52	1290	33.61%	= 0	
53	3568	92.97%	plans for site when legally closed code	446-446
53	1529	39.84%	= 0	
53	3	0.08%	= Y	
53	13	0.34%	= N	
54	2692	70.14%	public control of site after closed	447--447
54	286	7.45%	= 0	
54	488	12.72%	= Y	
54	1914	49.87%	= N	
55	3552	92.55%	annual cost	448--454
55	3018	78.63%	= 0	
55	2	0.05%	= N	
56	12	0.31%	filler	455-456
56	2	0.05%	= 0	
56	1	0.03%	= N	

field	occurs	%		columns
			type of refuse accepted/permited codes: A: Accepted P:Permitted	
57	1212	31.56%	general solid waste A	457-458
57	2	0.05%	= 0	
58	273	7.11%	general solid waste P	457-458
59	537	13.99%	construction or demolition A	459-460
60	116	3.02%	construction or demolition P	459-460
61	30	0.78%	dewater sludge A	461-462
62	21	0.55%	dewater sludge P	461-462
63	301	7.84%	other A	463-464
64	119	3.10%	other P	463-464
			special wastes accepted/permited codes: A: Accepted P:Permitted	
65	109	2.84%	hazardous liquids A	
66	50	1.30%	hazardous liquids P	465-466
67	133	3.47%	special liquids A	467-468
68	79	2.06%	special liquids P	467-468
69	109	2.84%	liquid sludge A	469-470
70	73	1.90%	liquid sludge P	469-470
71	77	2.01%	hazardous solids A	471-472
72	26	0.68%	hazardous solids P	471-472
73	16	0.42%	animal waste A	473-474
74	5	0.13%	animal waste P	473-474
75	9	0.23%	pathological waste A	475-476
76	4	0.10%	pathological waste P	475-476
77	21	0.55%	incinerator ash A	477-478
78	11	0.29%	incinerator ash P	477-478
79	2	0.05%	explosives A	479-480
80	0	0%	explosives P	479-480
81	2	0.05%	radioactive waste A	481-482
82	1	0.03%	radioactive waste P	481-482
			special operations accepted/permited codes: A: Accepted P:Permitted	
83	219	5.71%	open burning A	
84	26	0.68%	open burning P	483-484
85	11	0.29%	air curtain destruction A	485-486
85	1	0.03%	= 0	
86	11	0.29%	air curtain destruction P	485-486
87	13	0.34%	incinerator A	487-488
88	5	0.13%	incinerator P	487-488
89	135	3.52%	salvaging A	489-490
90	43	1.12%	salvaging P	489-490
91	7	0.18%	composting A	491-492
92	2	0.05%	composting P	491-492
93	56	1.46%	other recycling A	493-494
94	34	0.89%	other recycling P	493-494
94	10	0.26%	= M	

field	occurs	%		columns
95	1786	46.53%	variance	495-495
95	272	7.09%	= 0	
95	14	0.36%	= Y	
95	1486	38.72%	= N	
96	3836	99.95%	fire control code	496-496
96	2283	59.48%	= 0	
96	2	0.05%	= N	

Start of card 2

If a 0 appears between the field and the occurs column, the numbers following indicate how many times the field contained the number zero. If a Y or N appear, it indicates that the numbers follwing refer to the times a Y or N is the first letter of the field.

field	occurs	%		
1	3838	100%	field one contains the card designator	
2	3838	100%	another fire control code	497-498
2 0	3731	97.2121%		
3	3838	100%	employees	499-501
3 0	2952	76.9151%		
4	3838	100%	number of hour operated daily	502-502
4 0	2768	72.1209%		
5	3838	100%	number of days operated per week	503-503
5 0	2731	71.1569%	equipment usually operating	
6	3838	100%	cranes	504-505
6 0	3678	95.8312%		
7	3838	100%	scrapers	506-507
7 0	3610	94.0594%		
8	3838	100%	tractors	508-509
8 0	2932	76.394%		
9	3838	100%	trucks	510-511
9 0	3443	89.7082%		
10	3838	100%	others	512-513
10 0	3635	94.7108%		
11	3838	100%	LPCFC030 date	514-519
11 0	36	0.937989%		
12	0	0%	filler	520-521
13	3418	89.0568%	add date	522-527
14	3318	86.4513%	change date	528-533

field	occurs	%		
15	3838	100%	latitude	534-539
15	0 1895	49.3747%		
16	3838	100%	latitude	534-539
16	0 1924	50.1303%		
17	3838	100%	latitude	534-539
17	0 2160	56.2793%		
18	3838	100%	longitude	540-545
18	0 1896	49.4007%		
19	3838	100%	longitude	540-545
19	0 1942	50.5993%		
20	3838	100%	longitude	540-545
20	0 2158	56.2272%		
21	0 0%		filler	546-546
22	2669	69.5414%	LPCFC040 date	547-552
22	0 550	14.3304%		
23	3838	100%	facility type code	553-553
23	0 1852	48.2543%		
24	3838	100%	operation closed date	554-559
24	0 2299	59.901%		
25	3838	100%	aquifer depth code	560-560
25	0 2672	69.6196%		
26	3838	100%	soil permeability code	561-561
26	0 2721	70.8963%		
27	3838	100%	distance to water surface code	562-562
27	0 2852	74.3095%		
28	3838	100%	distance to water supply code	563-563
28	0 3330	86.7639%		
29	3838	100%	flooding code	564-564
29	0 3325	86.6337%		
30	3838	100%	population density code	565-565
30	0 2084	54.2991%		
31	3838	100%	visual effects code	566-566
31	0 2080	54.1949%		
32	3838	100%	hazardous waste volume code	567-567
32	0 3453	89.9687%		
33	3838	100%	site size range code	568-568
33	0 3216	83.7936%		
34	3838	100%	percent completed covered code	569-570
34	0 3475	90.5419%		
35	3838	100%	time site has been closed (mo)	571-572
35	0 3428	89.3174%		
36	3838	100%	LPCFC055 date	573-578
36	0 1214	31.6311%		
37	3198	83.3246%	letter sent code	579-579
37	0 919	23.9448%		
37	Y 1161	30.2501%		
37	N 1118	29.1298%		
38	3208	83.5852%	inspector initials	580-582
38	0 919	23.9448%		
39	3042	79.26%	quantity received daily code	583-583
39	0 919	23.9448%		

field	occurs		%		
40		2498	65.086%	authorization code	584-584
40	0	919	23.9448%		
				leachate codes	
41		948	24.7004%	ponded on site	585-585
41	0	919	23.9448%		
42		935	24.3616%	flowing on site	586-586
42	0	919	23.9448%		
43		939	24.4659%	seeping	587-587
43	0	919	23.9448%		
44		937	24.4138%	evidence of past flows	588-588
44	0	919	23.9448%		
45		953	24.8306%	refuse in standing water	589-589
45	0	919	23.9448%		
46		924	24.075%	flow entering surface water	590-590
46	0	919	23.9448%		
47		929	24.2053%	flow leaving site	591-591
47	0	919	23.9448%		
				open burning codes	
48		927	24.1532%	observed	592-592
48	0	919	23.9448%		
49		920	23.9708%	underground fire	593-593
49	0	919	23.9448%		
50		967	25.1954%	evidence of recent	594-594
50	0	919	23.9448%		
51		932	24.2835%	insuficient fire equipment	595-595
51	0	919	23.9448%		
				daily cover code	
52		1163	30.3022%	open refuse observed	596-596
52	0	919	23.9448%		
53		1035	26.9672%	not provided previous day	597-597
53	0	919	23.9448%		
54		985	25.6644%	inadaquate depth entire site	598-
54	0	919	23.9448%		
55		1003	26.1334%	inadaquate depth portion site	599-
55	0	919	23.9448%		
56		956	24.9088%	intermediate cover codes	
56	0	919	23.9448%		
				final cover codes	
57		1057	27.5404%	inadequate depth portion site	601-603
57	0	919	23.9448%		
58		957	24.9349%	inadaquate depth entire site	
58	0	919	23.9448%		
59		975	25.4039%	none 60 days after closure	
59	0	919	23.9448%		
60		928	24.1793%	unloding not supervised code	604-604
60	0	919	23.9448%		
61		1030	26.8369%	unsatisfactory dumping code	605-605
61	0	919	23.9448%		
62		953	24.8306%	litter, dust or odor code	606-606
62	0	919	23.9448%		
63		938	24.4398%	permit violation code	607-607
63	0	919	23.9448%		

field	occurs		%		
64		932	24.2835%	not permited waste accepted code	608-608
64	0	919	23.9448%		
65		1015	26.4461%	inadaquate concealment code	609-609
65	0	919	23.9448%		
66		919	23.9448%	inadaquate shelter, sanitary code	610-610
66	0	919	23.9448%		
67		920	23.9708%	scavenging code	611-611
67	0	919	23.9448%		
68		926	24.1271%	salvaging	612-612
68	0	919	23.9448%		
69		930	24.2314%	vectors	613-613
69	0	919	23.9448%		
70		923	24.049%	animals feeding code	614-614
70	0	919	23.9448%		
71		2035	53.0224%	FEY observation code	615-615
71	0	919	23.9448%		
72		2695	70.2189%	filler	616-635
72	0	1509	39.3174%		
73		3838	100%	calculate basic criteria value	636-639
73	0	2043	53.2309%		
74		0	0%	remarks	640-694
				monitoring devices codes	
75		1942	50.5993%	gas wells	695-695
75	Y	40	1.04221%		
75	N	1902	49.5571%		
76		1949	50.7817%	ground water well	696-696
76	Y	323	8.41584%		
76	N	1626	42.3658%		
77		2526	65.8155%	number of wells	697-698
77	0	2207	57.5039%		
78		0	0%	filler	699-709
79		2264	58.9891%	LPCFC050 date &	
80		2120	55.2371%	LFCFC040 date	710-721
81		3836	99.9479%	inc municipalities or twp name	722-737
82		3837	99.9739%	county name	738-748
83		1020	26.5763%	transaction code	749-749
84		0	0%	?????	

b Example Listings

This is an example of the OLD INVENTORY MASTER, also called the LAND INVENTORY FILE.
The record size is 749. Each example record here is represented by 7 107 column lines so that it could be easily printed (7x107 = 749) A scale is provided to aid in column identification. Refer to the separate data items listing or the file definition for column numbers for each item/field
Note: In each example columns 108-214 are completely blank

First example record with a complete scale (1-749)

```
                                                                                                                  11111111
00000000011111111112222222222333333333344444444445555555555666666666677777777778888888888999999999900000000
12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567
```

```
C01702501 NSE0317N10W3 00000  22000000000000                                                                                                                
```

Record example 2

```
                                                
```

Record example 6

```
                                                
```

Record example 10

```
                                                
```

OLD GENERATOR NAME AND ADDRESS MASTER

A. File Description and Summary

Number of Records = 6164

field	occurs	%	
1			GUS id number (added)
2	6164	100%	generator code
2	0	0%	= 0
3	3298	53.5%	filler
3	0	0%	= 0
4	6164	100%	name
5	6152	99.8%	address
6	6160	99.9%	city
7	6160	99.9%	county
8	6163	99.98%	state
8	5262	85.37%	= IL
9	6151	99.8%	zip code
9	0	0%	= 0
9	5293	85.87%	= first digit is a 6
			telephone
10	6054	98.2%	area code
10	4	0.06%	= 0
10	3523	57.15%	= 312
10	680	11.03%	= 815
10	356	5.78%	= 217
10	295	4.79%	= 309
10	274	4.45%	= 618
10	17	0.28%	= 314
11	6043	98.0%	rest of number
11	6	0.10%	= 0
12	1	0.02%	Filler
13	1024	16.6%	Dun's number
13	964	15.64%	= 0
14	1632	26.5%	sic code
14	102	1.65%	= 0

b. Example Listings

Typical lines from the Old Generator Name and Address Master follow. They have been slightly repositioned and folded as compared to the IEPA tape image.

typical line

generator code	filler	name	address	city	county	st	zip code	phone number
0010050001G	012682	ADAMS ELECTRICAL CO	US HIGHWAY 24 EAST	CAMP POINT	ADAMS	IL	62320	217 5937701
0010650001G		ELECTRIC WHEEL CO	1120 NORTH 28TH	QUINCY	ADAMS	IL	62301	217 2225320
0010650002G		MOORMAN MFG CO	1000 N 30TH ST	QUINCY	ADAMS	IL	62301	217 2227100
0010650003G		SANITATION COMMITTEE	LOCK & DAM ROAD	QUINCY	ADAMS	IL	62301	217 2236370
0010650004G		LITTERAL MFG CO	1701 NORTH 16	QUINCY	ADAMS	IL	62301	217 2224053
0010650005G	122882	COLT IND QUINCY COMP	36TH & WISMANN LANE	QUINCY	ADAMS	IL	62301	217 2227700
0010650006G		BLAINE JOHNSON	2905 VERMONT	QUINCY	ADAMS	IL	62301	217 2220571
0010650007G	032283	HARRIS CORPORATION	30TH & WISMAN	QUINCY	ADAMS	IL	62301	217 2228200
0010650008G	080884	QUINCY SOYBEAN CO	1900 GARDNER EXPRESS	QUINCY	ADAMS	IL	62301	217 2241800
0010650009G		BROWER MANUFACTURING	640 SOUTH 5TH	QUINCY	ADAMS	IL	62301	217 2228561

typical remainder of line

filler	Duns number	sic code	filler ------>
	0	3714	
	0	2042	
	0	4952	
	006278212	3416	
	005995790	3561	
	0	0721	
	004230568	3662	
	006295109	0	
	0	0	

HAZARDOUS WASTE MASTERS (1982 and 1983)

A. File Descriptions

The Hazardous Waste Masters for 1982 and 1983 contain information about facilities in the State of Illinois which handle and generate hazardous wastes. The files are formatted on four different cards, designated LP-AR-HW-30,40,50,60 (LP-AR-HW stands for Land Pollution Annual Report Hazardous Waste). Each of the four cards contains the USEPA number (but not the facility name) plus certain pieces of information about the facility. Included in this information is data concerning types and amounts of wastes at the individual facilities. Each type of card is described below. An asterisk (*) indicates that a particular item was contained in the 1983 file but not in the 1982 file.

LP-AR-HW-30 CARD:
- card code
- USEPA facility number
- entered date
- page number
- line number
- closure amount
- post closure amount
- non-regulated codes *
  - not subject
  - withdrawn
  - status
- IEPA number *

LP-AR-HW-40 CARD:
- card code
- USEPA facility number
- entered date
- page number
- line number
- USEPA generator number
- IEPA facility number
- IEPA generator number
- hazard code
- RCRA numbers - 4 four digit numbers
- waste amount
- density
- handling method

LP-AR-IW-50 CARD:

- card code
- USEPA generator number
- entered date
- page number
- line number
- USEPA facility number
- IEPA generator number
- IEPA facility number
- hazard code
- RCRA numbers - 4 four digit numbers
- waste amount
- density

LP-AR-IW-60 CARD:

- card code
- USEPA generator number
- entered date
- page number
- line number
- IEPA generator number
- USEPA transporter number
- IEPA transporter number

b Example Listings

Hazardous Waste Master - 1982

Sample of "LP-AR-HW-30-CARD"

card	USEPA facil	entered date	page	line #	closure amount	post closure amount	filler ---->
30	IL D 000173385	83 02 16	001	0001	000015000	000000000	
30	IL D 000608471	83 02 18	001	0001	000161509	000000000	
30	IL D 000665786	83 02 24	001	0001	000100000	000000000	
30	IL D 000666180	83 03 01	001	0001	000036000	000000000	
30	IL D 000666206	83 02 21	001	0001	000053642	000000000	
30	IL D 000671081	83 01 27	001	0001	000005450	000000000	
30	IL D 000672121	83 04 22	001	0001	000187648	000000000	
30	IL D 000672204	83 06 09	001	0001	000008000	000000000	
30	IL D 000682120	83 02 24	001	0001	000004600	000000000	
30	IL D 000716894	83 02 28	001	0001	000025000	000000000	

Sample of "LP-AR-HW-40-CARD" which redefines the 30-CARD

card	USEPA facility	entered date	page	line #	USEPA generator	IEPA facility	IEPA generator	haz rd cd	RCRA #1	#2	#3	#4	waste amount	density	handle method	filler--
40	IL D 000173385	83 02 16	002	0001	IL D 000173385	199 055 02	ILD 000 7338	5	04 D 003				000048000	012	S01	
40	IL D 000608471	83 02 18	003	0001	MI D 059695452	031 600 51	926 077 0002	G	02 D 002				000017500	084	T23	
40	IL D 000608471	83 02 18	003	0002	MI D 059695452	031 600 51	926 077 0002	G	15 D 009				000009500	084	T23	
40	IL D 000608471	83 02 18	004	0001	IL D 005103528	031 600 51	031 600 0114	G	15 D 008				000004700	085	T23	
40	IL D 000608471	83 02 18	005	0001	IL D 000716852	031 600 51	031 600 0821	G	15 F 002				000019800	088	T23	
40	IL D 000608471	83 02 18	006	0001	IL D 057863847	031 600 51	031 111 0006	G	02 D 007				000193200	085	T24	
40	IL D 000608471	83 02 18	006	0002	IL D 057863847	031 600 51	031 111 0006	G	02 D 002				000460900	085	T23	
40	IL D 000608471	83 02 18	007	0001	IL D 054319892	031 600 51	031 306 0001	G	02 D 002				000012200	086	T23	
40	IL D 000608471	83 02 18	008	0001	IL D 180012668	031 600 51	031 600 0055	G	02 D 002	D 007	D 008		000002700	084	T23	
40	IL D 000608471	83 02 18	009	0001	IL D 005142351	031 600 51	031 015 0010	G	02 D 002	D 004	D 006	D 007	000003785	086	T23	

Sample of "LP-AR-HW-50-CARD" which redefines 30-CARD:

card	USEPA generator	entered date	page	line #	USEPA facility	IEPA generator	IEPA facility	RCRA #1	#2	#3	#4	waste amount	density	filler-->
50	163040000	83 02 22	003	0001	IL D 098642424	000 627 3265	G 163 121 09 08	D 001				000001595	077	D81
50	IL D 000161422	83 02 24	002	0001	IN D 016360265	091 055 0010	G 918 089 02 08	U 002				000005000	072	
50	IL D 000161422	83 02 24	003	0001	TN T 000645770	091 055 0010	G 947 147 01 08	F 002	D 001	D 002	F 003	000005485	100	
50	IL D 000161422	83 02 24	003	0002	TN T 000645770	091 055 0010	G 947 147 01 00	D 005				000005445	054	
50	IL D 000161422	83 02 24	003	0003	TN T 000645770	091 055 0010	G 947 147 01 02	D 002				000000055	098	
50	IL D 000161422	83 02 24	003	0004	TN T 000645770	091 055 0010	G 947 147 01 13	U 080				000000110	118	
50	IL D 000161422	83 02 24	003	0005	TN T 000645770	091 055 0010	G 947 147 01 18	D 009				000000040	103	
50	IL D 000161422	83 02 24	003	0006	TN T 000645770	091 055 0010	G 947 147 01 02	D 002				000000025	120	
50	IL D 000161422	83 02 24	003	0007	TN T 000645770	091 055 0010	G 947 147 01 15	D 001				000000400	080	
50	IL D 000163360	83 02 16	002	0001	IL D 045063450	031 600 0576	G 011 095 03 09	D 001				000000770	080	

Sample of "LP-AR-HW-60-CARD" which redefines 30-CARD:

card	USEPA generator	entered date	page	line #	IEPA generator	trans. USEPA number	tran IEPA pos	filler --------->
60	IL D 000069244	83 02 18	003	0001	031 600 0117 G	ILD066190968	0038 016	808D001 000003500071D81
60	IL D 000161422	83 02 24	005	0001	091 055 0010 G	ILD054155080	0000 000	115D001 000000400080
60	IL D 000161422	83 02 24	005	0002	091 055 0010 G	MDT000647883	0269 008	115D001 000000400080
60	IL D 000163360	83 02 16	004	0001	031 600 0576 G	ILD000810549	0049 001	208D001 000000350090
60	IL D 000168401	83 02 02	003	0001	031 057 0002 G	ILD064418353	0014 001	113F001 000000275085
60	IL D 000171546	83 07 06	003	0001	031 600 0456 G	ILD053219259	0070 005	608F005 000001000074D81
60	IL D 000180513	83 02 25	003	0001	031 600 0734 G	ILD069506160	0079 032	115U141U188 000000625073S01
60	IL D 000180869	83 02 11	003	0001	103 020 0002 G	ILD064389000	0761 002	208F005F003D007 000003520100S01
60	IL D 000467522	83 06 22	004	0001	031 012 0017 G	ILD064389000	0761 001	300U228 000000500130D81
60	IL D 000467522	83 06 22	004	0002	031 012 0017 G	ILD074424938	0297 001	300U228 000000500130D81

Hazardous Waste Master - 1983

Sample of "LP-AR-HW-30-CARD"

card	USEPA facil	entered date	page	line #	closure amount	post closure amount	non reg codes	IEPA number	filler ------>
30	IL D 000161265	84 02 08	001	0001	000000090	000000000		09700504	
30	IL D 000173385	84 02 29	001	0001	000005000	000000000		19905502	113U226 000002750109S01
30	IL D 000608471	84 02 20	001	0001	000162809	000000000		03160051	100F006F008 000005375100S01
30	IL D 000646786	84 03 05	001	0001	000200000	000000000		03117402	1G02D002D007D008 000000220100S01
30	IL D 000665562	84 04 25	001	0001	000000000	000000000	1 4		1G08D001 000000165080S01
30	IL D 000665786	84 02 21	001	0001	000050000	000010000		03128502	4G17U237 000000055080S01
30	IL D 000665844	84 02 24	001	0001	000007500	000000000	1 3	01982709	1G08D001 000000165080S01
30	IL D 000665851	84 02 24	001	0001	000007500	000000000	1 3	19706001	1G08D001 000000165080S01
30	IL D 000665869	84 02 24	001	0001	000007500	000000000	1 3	01982709	1G08D001 000000165080S01
30	IL D 000666180	84 02 29	001	0001	000035000	000000000		09719016	115D007 000109300087S01

Sample of "LP-AR-HW-40-CARD" which redefines the 30-CARD:

card	USEPA facility	entered date	page	line #	USEPA generator	IEPA facility	IEPA generator	hazard cd	RCRA #1	#2	#3	#4	waste amount	density	handle method	filler--
40	IL D 000161265	84 02 08	002	0001	IN D 004382842	097 005 04	918 089 0379 G	02	K 062				000029742	105	T04	
40	IL D 000173385	84 02 29	002	0001	IL D 000173385	199 055 02		04	D 008				000048000	012	S01	
40	IL D 000608471	84 02 02	029	0002	IL D 082549262	031 600 51	089 010 0002 G	02	K 062				000004000	090	T04	
40	IL D 000608471	84 02 20	002	0001	MI D 059695452	031 600 51	926 077 0002 G	15	D 009				000004800	084	T04	
40	IL D 000608471	84 02 20	003	0001	IL D 005103528	031 600 51	031 600 0114 G	15	D 008				000104500	086	T04	
40	IL D 000608471	84 02 20	004	0001	IL D 000716852	031 600 51	031 600 0821 G	15	F 002				000065000	092	T04	
40	IL D 000608471	84 02 20	005	0001	IA D 000000036	031 600 51	919 033 0190 G	15	F 006				000003500	084	T04	
40	IL D 000608471	84 02 20	006	0001	IL D 057863847	031 600 51	031 111 0006 G	02	D 002				000566000	086	T04	
40	IL D 000608471	84 02 20	006	0002	IL D 057863847	031 600 51	031 111 0006 G	15	D 003				000023000	085	T04	
40	IL D 000608471	84 02 20	006	0003	IL D 057863847	031 600 51	031 111 0006 G	02	D 007				000081000	086	T04	

Sample of "LP-AR-HW-50-CARD" which redefines 30-CARD:

card	USEPA generator	entered date	page	line #	USEPA facility	IEPA generator	IEPA facility	hazard cd	RCRA #1	#2	#3	#4	waste amount	density	handle method	filler--
50	IL D 000161422	84 02 22	003	0001	TN T 000645770	091 055 0010 G	947 147 01	17	D 005				000003795	054	S01	
50	IL D 000161422	84 02 22	003	0002	TN T 000645770	091 055 0010 G	947 147 01	08	F 002	D 001	D 002	F 003	000003740	100	S01	
50	IL D 000161422	84 02 22	003	0003	TN T 000645770	091 055 0010 G	947 147 01	02	D 003			D 001	000000530	050	S01	
50	IL D 000161422	84 02 22	003	0004	TN T 000645770	091 055 0010 G	947 147 01	02	D 002				000000040	098	S01	
50	IL D 000161422	84 02 22	003	0005	TN T 000645770	091 055 0010 G	947 147 01	02	D 002				000000055	150	S01	
50	IL D 000161422	84 02 22	003	0006	TN T 000645770	091 055 0010 G	947 147 01	02	D 002				000000055	075	S01	
50	IL D 000161422	84 02 22	004	0001	IN D 016360265	091 055 0010 G	918 089 02	08	U 154				000001700	071	S01	
50	IL D 000161422	84 02 22	005	0001	IL D 010284248	091 055 0010 G	031 039 01	04	D 003				000000125	030	T01	
50	IL D 000171546	84 06 01	002	0001	IL D 053219259	031 600 0456 G	201 030 26	08	F 005				000000900	074	S02	
50	IL D 000171546	84 06 01	002	0002	IL D 053219259	031 600 0456 G	201 030 26	08	F 005				000001200	074	S02	

Sample of "LP-AR-HW-60-CARD" which redefines 30-CARD:

card	USEPA generator	entered date	page	line #	IEPA facility	trans. USEPA number	tran IEPA pos	filler ---------->
60	IL D 000161422	84 02 22	006	0002	091 055 0010 G	MDT000647883	0269	115D006 000201710103S01
60	IL D 000161422	84 02 22	006	0003	091 055 0010 G	ILD054155080	0066	115D006 000201710103S01
60	IL D 000161422	84 02 22	006	0004	091 055 0010 G	ILD000806604	0075	115D006 000201710103S01
60	IL D 000171546	84 06 01	003	0001	031 600 0456 G	ILD053219259	0070	709D001 000188584093S02
60	IL D 000467522	84 02 29	005	0001	031 012 0017 G	ILD064389000	0761	115D006 000201710103S01
60	IL D 000608471	84 02 24	004	0001	031 600 0969 G	ILD000716837	0103	100F006F008 000005375100S01
60	IL D 000608471	84 02 24	004	0002	031 600 0969 G	ILD097177505	0107	100F006F008 000005375100S01
60	IL D 000608992	84 02 29	005	0001	031 012 0012 G	ILD031012001	0878	115D006 000201710103S01
60	IL D 000608992	84 02 29	005	0002	031 012 0012 G	MID059695452	0276	115D006 000201710103S01
60	IL D 000665448	84 02 21	005	0001	043 095 0001 G	ILD980700538	0967	115D006 000201710103S01

WATER QUALITY STANDARDS MASTER

A. File Description and Summary

The IEPA Water Quality Standards Master file lists upper and lower limits for various chemical parameters by the storet codes associated with those parameters.

Number of Records = 250

Field	occurs	%	
1	250	100%	storet number
1	0	0%	= 0
2	0	0%	filler always empty
3	250	100%	transaction code
3	250	100%	= 1
			general standard
4	3	1.2%	lower limit
4	0	0%	= 0
5	45	18%	upper limit
5	0	0%	= 0
6	49	19.6%	minimum reporting level - the number of digits to the left or right of the decimal point that must be reported
6	10	4%	= 1R
6	0	0%	= 2R
6	1	0.4%	= 3R
6	8	3.2%	= 1L
6	12	4.8%	= 2L
6	18	7.2%	= 3L
			food processing standard (as general std)
7	0	0%	lower limit
8	35	14%	upper limit
8	0	0%	= 0
9	38	15.2%	minimum reporting level - the number of digits to the left or right of the decimal point that must be reported
9	6	2.4%	= 1R
9	2	0.8%	= 2R
9	0	0%	= 3R
9	15	6%	= 1L
9	13	5.2%	= 2L
9	2	0.8%	= 3L
			effluent standard (as general std)
10	2	0.8%	lower limit
10	0	0%	= 0
11	38	15.2%	upper limit
11	0	0%	= 0

field	occurs	%	
12	41	16.4%	minimum reporting level - the number of digits to the left or right of the decimal point that must be reported
12	6	2.4%	= 1R
12	1	0.4%	= 2R
12	0	0%	= 3R
12	7	2.8%	= 1L
12	15	6%	= 2L
12	12	4.8%	= 3L
			drinking water standard (as general std)
13	0	0%	lower limit
14	31	12.4%	upper limit
14	0	0%	= 0
15	34	13.6%	minimum reporting level - the number of digits to the left or right of the decimal point that must be reported
15	6	2.4%	= 1R
15	0	0%	= 2R
15	0	0%	= 3R
15	20	8%	= 1L
15	6	2.4%	= 2L
15	2	0.8%	= 3L
			storet descriptions
16	250	100%	short
17	250	100%	long

b. Example Listings

The follwing are example listings from the Water Quality Standards Master file. This file contains just one type of line which is 175 characters long. In order to show them, the lines have been folded where the "storet description-short" starts.

```
typical line:
storet # | filler | *1 | general standard lower limit | general standard upper limit | *2 | food processing lower limit | food processing upper limit | *2 | effluent standard lower limit | effluent standard upper limit | *2 | drinking water standard lower limit | drinking water standard upper limit | *2 |
```

*1 transaction code *2: minimum reporting level

```
typical remainder of line
storet description -short | storet description-long ----->
```

```
00010       M
TEMPRATURE, WATER          DEGREES CENTIGRADE        WATER TEMP CENT

00011       M
TEMPERATURE, WATER         DEGREES FAHRENHEIT)       WATER TEMP FAHN

00090       M
OXIDATION REDUCTION        POTENTIAL (MILLIVOLTS)    REDOX ORP MV

00094       M
SPECIFIC CONDUCTANCE,      FIELD (UMHOS/CM @ 25C)    CONDUCTVY FIELD MICROMHO

00095       M
SPECIFIC CONDUCTANCE LAB   (UMHOS/CM @ 25 C)         CNDUCTVY @ 25C UMHOS LAB

00300       M 0000500000              1R
OXYGEN, DISSOLVED (MG/L)   LAB                       DO MG/L LAB

00310       M                                                          0003000000 1L
BIOCHEMICAL OXYGEN DEMAN D (MG/L, 5 DAY-20 DEG C)   BOD 5 DAY MG/L

00335       M
CHEMICAL OXYGEN DEMAND,    .025N K2CR207 (MG/L)      COD LOW LEVEL MG/L

00340       M
CHEMICAL OXYGEN DEMAND,    .25N K2CR207 (MG/L)       COD HI LEVEL MG/L

00400       M 0000650000 0000900000 1R                          0000600000 0000900000 1R
PH (STANDARD UNITS) FIEL D                          FIELD PH SU
```

WATER QUALITY ANALYSIS MASTER

A. File Description

The IEPA Water Quality Analysis Master contains the results of a large number of chemical and physical analyses. The file has two types of records. The first type has a storet value and the numerical results of the test run. The second type has a blank storet value and information about the sample which was tested. The details follow:

Type 1 line format:
- site number
- monitor point number
- storet number - non-blank
- collection date
- EPA lab
- replicate number
- transaction code
- conversion code
- negative value/unable to test
- greater/less than sign
- storet value
- reporting level

Type 2 line format:
- site number
- monitor point number
- storet number - blank
- collection date
- EPA lab
- replicate number
- transaction code
- conversion code
- report due date
- sampling purpose code
- time card program code
- unit code
- date received
- background
- time collected
- reason unable to collect sample code
- monitor point sample method
- organic sample filtered
- inorganic sample filtered
- sample appearance
- collector comments
- collector's initials
- lab number
- lab comments

b. Example Listings

The Water Quality Analysis master contains two types of lines Both types of lines have the same format for the first nine fields The remaining fields are comments if the "storet code" field is blank, otherwise the remaining fields contain the storet value.

typical lines of the data format (type 1):

site number	monitor pt #	storet num	collection date	*1	*2	filler	*3	*4	*5	*6	storet value	*7	filler--->

*1: EPA lab
*2: replicate number
*3: transaction code
*4: conversion code
*5: negative value/unable to test
*6: greater then/less than sign
*7: reporting level

```
0018060012 G103 70300 830812   1       M X     006200000{ 1L X
0018060012 G103 70300 831118   1       M X     007080000{ 1L X
0018060012 G103 70300 840303   1       M X     006780000{ 1L
0018060012 G103 70300 840524   1       M       006100000{ 1L
0018060012 G103 71900 820330 X 1       M X     000000000{ 1R X
0018060012 G103 72019 820330 X 1       M X     000107000{ 1R X
0018060012 G103 72019 820914   1       M X     000149000{ 1R X
0018060012 G103 72019 821207   1       M X     000086000{ 1R X
0018060012 G103 72019 830316   1       M X     000124000{ 1R X
0018060012 G103 72019 830608   1       M X     000113000{ 1R X
```

typical lines of the comment format (first portion).

site number	monitor pt #	stor-et num	collection date	*1	*2	filler	*3	*4	report due date	*5	time card code	*6	date rcvd	*6	time coll	*8	*9	*10	*11	sample appearance

*1: EPA lab
*2: replicate number
*3: transaction code
*4 conversion code
*5: sampling purpose code
*6: unit code
*7: background
*8: reason unable to collect code
*9: sample method
*10: org sample filtered
*11 inorg sample filtered

0010650002 G101 740923 M X X

typical comment format (second part of the line)

collectors comments	*12	lab num	lab comments	filler---->

*12: collector's initials

0010650002 G101 740930 X M X X

0010650002 G101 750404 M X X

0010650002 G101 750708 M X X

0010650002 G101 750922 M X X

0010650002 G101 770420 X M X X

0010650002 G101 770701 M X 2 X

0010650002 G101 771014 M X X

MANIFEST HISTORY FILES (1982 and 1983)

A. File Descriptions

A Manifest History file is a list published by the IEPA once a year to keep track of the movement of hazardous waste in the State of Illinois. When waste is transported or exchanged from one party to another, two reports are filed, one on shipment, the other on receipt. These manifests are then matched, and the information in them is used to make up the file.

Number of Records = 127,012

field	
1	manifest number
2	authorization number
3	generator code
4	hauler #1 registration number
	filler
5	hauler #2 registration number
	filler
6	site code
7	quantity of waste
8	volume units
9	date shipped to site
10	date received at site
11	microfilm 'copy D' location
	generator document number
	disposition codes
12	microfilm location 'copy A'
	julian date
	frame number
13	error flags (occurs 13 times)
	error flags
14	date first entered (julian date)
15	fee-flag
16	date sent to acct. file (julian date)
17	transaction type code #1
18	operator #1 - no. and entry date
19	transaction type code #2
20	operator #2 - no. and entry date
21	EPA hazardous waste number
22	date manifest deleted (julian date)
23	disposal code
24	filler

b Example Listings

The following are typical lines from the IEPA Manifest History file for 1982. As provided by IEPA, the file contains records 154 characters long. These lines have been divided into two pieces for display here. Examples listings are not given for the Manifest History file for 1983 as the format is the same.

LINE PORTION 1.

manifest number	author number	generator code	haul #1	fil	haul #2	fil	site code	quanty waste	* 1	date shiped	date revd	microfilm location generatr doc num	dsp cod	julin date	A D frame number
07178181A	995473	1610650005	0061	037	0000	000	1610650005	001700	1	122982	122982	82363832		83013	001542

*1: volume units

LINE PORTION 2:

error flags - repeats 13	date* 2 entrd	*	date* 3 sent	*	oper #1 4 # & date	*	oper #2 4 # & date	EPA haz#	date* delet	*	filler ----> 5
0 0 0 0 0 0 0 0 0 0 0 0 0	83062	2	00000	S	11830490	G	11830620				

*2: fee-flag *4: tran type code #2 *: julian dates
*3: tran type code #1 *5: disposal code

07178191A	995473	1610650005	0061	007	0000	000	1610650005	000600	1	122882	122882	82363829		83013	001539
0 0 0 0 0 0 0 0 0 0 0 0 0	83062	2	00000	S	11830490	G	11830620								
07178201A	995473	1610650005	0061	036	0000	000	1610650005	001900	1	113082	113082	82335670		82342	001147
0 0 0 0 0 0 0 0 0 0 0 0 0	83046	2	00000	S	55830100	G	22830460								
07178231A	995473	1610650005	0061	011	0000	000	1610650005	001800	1	111682	111682	82320872		82333	001744
0 0 0 0 0 0 0 0 0 0 0 0 0	83017	2	00000	S	55823490	G	55830170								
07178241A	995473	1610650005	0061	011	0000	000	1610650005	001850	1	111282	111282	82320186		82333	000063
0 0 0 0 0 0 0 0 0 0 0 0 0	83014	2	00000	S	22823470	G	11830140								
07178251A	995473	1610650005	0061	036	0000	000	1610650005	002000	1	111182	111182	82320167		82333	000064
0 0 0 0 0 0 0 0 0 0 0 0 0	83014	2	00000	S	22823470	G	11830140								
07178261A	995473	1610650005	0061	036	0000	000	1610650005	002000	1	111682	111682	82320867		82333	001745
0 0 0 0 0 0 0 0 0 0 0 0 0	83017	2	00000	S	55823490	G	55830170								
07178271A	995473	1610650005	0061	011	0000	000	1610650005	001150	1	120982	120982	82347369		82355	001720
0 0 0 0 0 0 0 0 0 0 0 0 0	83055	2	00000	S	55830280	G	11830550								
07178281A	995473	1610650005	0061	037	0000	000	1610650005	001200	1	111782	111782	82326100		82340	001518
0 0 0 0 0 0 0 0 0 0 0 0 0	83019	2	00000	S	11823620	G	55830190								

WASTE DISPOSAL APPLICATION MASTER

A. File Description

The Waste Disposal Application Master is a list of all of the facilities in the State of Illinois that have applied for a permit to dump hazardous waste. The file contains information about the quantity and type of waste that the facility intends to handle.

Number of Records = 30,539

field	
1	authorization number (key)
2	last transaction code
3	date of last transaction
4	date of last update run
5	hauler code
6	generator code
7	generator contact name
8	process name
9	generic waste name
10	iupac waste name
11	total waste
12	volume units
13	waste phase
14	transport frequency
15	waste class
16	inhalation toxicity
17	dermal toxicity
18	ingestive toxicity
19	infectious
20	reactivity
21	explosive
22	flash point
23	alpha radiation
24	composition
25	percent acidity
26	percent alkalinity
27	ph
28	percent total solids
29	percent ash content
30	key component (occurs 6 times)
	name
	percent
31	metal (occurs 20 times)
	total
	leach
32	laboratory name

33	certification no.
34	reviewed by 1
35	reviewed by 2
36	site data (occurs 5 times)
	site code
	status
	start date
	expiration date
	denied start date
	denied expiration date
	disposal method
	neutralization method
	region
37	fee indicator (occurs 5 times)
	fee indicator code
38	filler

b Example Listings

The following are typical lines from the IEPA Waste Disposal Application Master file. As provided by IEPA, the file contains records 933 charcters long These lines have been divided into eight pieces for display here They contain many blank fields; for instance, line portion 5 below is entirely blank on the example line.

LINE PORTION 1

author izaton number	*1 last trans date	last update date	haul er code	generator code	generator contact name	process name	generic waste name
991447	A	010581	011681	9999	0312880005	KEN KROTZ	MANUFACTURER OF ELECTRONIC COM	ELECTRODEBURRING SOLUTION

LINE PORTION 2:

iupac waste name	total waste	*2	*3	*4	*5	*6	*7	*8	*9	*10	*11	*12	flsh pont	alpha rad	*1 *2	% acid dty	% alkln	pH	% total solid	% ash cont	key components - repeats 6 time component name	%
	0000007000	2	3	5	40	2	2	2		1					2	180		001	00200	0200	WATER	0780

*2: volume units
*3: waste phase
*4: transport frequency
*5: waste class
*6: inhalation toxicity
*7: dermal toxicity
*8: ingestive toxicity
*9: infectious
*10: reactivity
*11: explosive
*12: composition

LINE PORTION 3:

key components - continued component name	%	component name	%	component name	%	component name	%	component name
		HYDROCHLORIC ACID	0180			GLYCERINE	0020	0

LINE PORTION 4:

metal data - repeates 20 times: total	leach	total	leach	total	leach	total	leach	total	leach	total	leach	total	leach	total	leach	tota
00080000																

LINE PORTION 5:

metal data continued leach	total	leach	total	leach	total	leach	total	leach	total	leach	total	leach	total	leach	total	leac

LINE PORTION 6.
metal data continued

total	leach	total	leach	total	leach	total	leach	total	leach	laboratory name	certif no	*13	*14
										CECOS INTERNATIONAL			MDR

*13: reviewed by 1 *14. reviewed by 2

LINE PORTION 7
site data - repeats 5 times

site code	*1	start date	expir date	denied start date	denied expir date	*16	*17	*8	site code	*1	start date	expir date	denied start date	denied expir date	*16	*17	*8	site code	*1	start date	expir date	denied start date
9360630001 A 010581 010582								03														

*15: status *17 neutralization method
*16: disposal method *18: region

LINE PORTION 8:
site data continued

denied expir date	*16	*17	*8	site code	*1	start date	expir date	denied start date	denied expir date	*16	*17	*8	site code	*1	start date	expir date	denied start date	denied expir date	*16	*17	*8	fee indic codes	filler -->
																						00000	

991448 A 010581 011681 9999 0312880005 KEN KROTZ MANUFACTURER OF ELECTRONIC COM SULFURIC ACID & CHROMOTE
0000004000 2 3 5 40 2 2 2 1 2 420 001 00800 0800 CHROMIC ACID 0420
WATER 0500
00080000

9360630001 A 010581 010582 03 CECOS INTERNATIONAL MDR
00000

991449 A 010581 011681 9999 0312880005 KEN KROTZ MANUFACTURER OF ELECTRONIC COM ACIDS: SULFURIC & MURIATIC
0000004000 2 3 5 40 2 2 2 1 2 260 010 00400 SULFURIC ACID 0135
HYDROCHLORIC 0125 WATER 0700 0
00120000 00085000 00077000
00118000

9360630001 A 010581 010582 03 CECOS INTERNATIONAL MDR
00000

GENERIC WASTE STREAM MASTER

A. File Description and Summary

The Generic Waste Stream Master is a small file used in conjunction with the Waste Disposal Application Master. These files are related by the permit number. The Generic Waste Stream Master has only 77 lines which contain information such as the permit data, site data and waste stream descriptors.

Number of Records = 77

field	occurs	% item occurs	item
1	77	100%	generic w/s permit number
2	77	100%	transaction date
3	77	100%	IEPA site code
4	77	100%	facility type
5	77	100%	status
6	77	100%	approved date
7	0	0%	expiration date
8	77	100%	generic waste code
9	77	100%	waste class
10	77	100%	disposal method
11	77	100%	handling codes - Occurs 8 times
12	24	31%	flash point
13	22	29%	pH min
14	24	31%	pH max
15	59	77%	USEPA haz. waste numbers - Occurs 7 times
16	18	23%	IEPA non-haz. waste number - Occurs 7 times
17	77	100%	sup/op permit number
18	77	100%	reviewer initials - 3
19	77	100%	date received
20	77	100%	date last changed
21	77	100%	major waste comp - Occurs 15 times a) code b) max limit
22	0	0%	filler
23	77	100%	site region

b Example Listings

The following are typical lines from the Generic Waste Stream Master file. Each line in the original file contains 352 characters. These long lines have been broken into three parts for display here. The filler shown in the third part of the line has 72 characters in the file but only 6 characters are shown here.

Typical line part 1:

```
|permit| trans|IEPA site |*|*|apprvd|expir | *3 |*4|*5| handling codes       |flsh| pH| pH| USEPA hazards waste numbers|
|number| date | code     |1|2| date | date |    |   |  | 3 chars x 8 times   |pont|min|max| 4 chars x 7 times          |
```

*1. facility type *2: status *3: generic waste code
*4: waste class *5 disposal method

```
000001 042783 0316000037 R A 042783        0002 40 20                    T63                                    F001F002
```

Typical line part 2:

```
|IEPA non-haz waste numbers  |SUP/OP per|*6 |recved|chnged|
|  4 chars x 7 times         |mit number|   | date | date |
```

*6. reviewer initials

```
                            1983057SUP MKL 013183 042783
```

Typical line part 3:

```
|major waste components - 8 chars (two items) x 15 times                                                          |filler|*|
|two items, code (5 chars) and maximum limit (3 chars) are repeated 15 times                                       |      |7|
```

*7: site region

```
                                                                  20001070200020702000410020005100200061002000710020008100      N

000002 042783 0316000037 R A 042783        0003 40 20                    T63                          U210U228U226U080
                            1983057SUP MKL 013183 042783
                                                                       20004100200051002000610020007100200090 25                N

000003 092484 0314380001 R A 050383        0002 48 20                    T63                                    F001F002
                            1983064SUP MKL 020783 092884
                                                          20001070200020492000302020004100200051002000610020007100200081 00     N

000004 092484 0314380001 R A 050383        0001 48 20                    T63 013?                               D001
                            1983064SUP MKL 020783 092884
                                                                  20001070200020492000302020021100      N

000005 092484 0314380001 R A 050483        0003 48 20                    T63                    U210U228U226U080U075U121
                            1983064SUP MKL 020783 100784
                                                                20004100200051002000610020007100200090252000 8100       N

000006 050383 1631210004 R A 050483        0001 80 20                    T63 0140
```

```
                        0001 1983063SUP MKL 020783 050483
                                                2000204920001070200030202001100520012001200181002001910020020070          S
000007 050383 1631210004 R A 050483        0004 40 20                          T63 0139                                    D001
                             1983063SUP MKL 020783 050483
                                                2000204920001070200030202001100520012001200131002001410020017070          S

000008 050383 1631210004 R A 050483        0006 40 20                          T63 0139                                    D001
                             1983063SUP MKL 020783 050483
                                                2000107020002049200030202001100520012001200151002001610020017070          S

000009 050383 1631210004 R A 050483        0002 40 20                          T63                                         F001F002
                             1983063SUP MKL 020783 050483
                                                2000107020002049200030202001100520022001200041002000510020006100200071002000 9025 S

000010 052683 0311110001 T A 060183        0007 44 15          T27T23T31T40T44                 F006F007F008F009D003D006D007
                             1983077SUP MKL 030883 031784
                100010991002400110025010100310301003203010026020100290011003000140027500100330301002800110034030100350 30      N
```

PERMIT CONDITIONS MASTER

A. File Description and Summary

The IEPA Permit Conditions Master File contains information about permits and monitoring requirements. The file has three different types of line formats in it, namely the site record format, the monitoring point record format and the storet record format. The site record format contains information about the site, specifically the site number, the permit date and the transaction date. The monitoring point record format contains the site number plus monitoring information such as the site's various reporting requirements. The storet record contains the site number, plus the storet number and other reporting information. The three formats can be differentiated by the presence of an entry in the monitor point field and in the storet field. The presence of a monitor point number implies a monitor point format. The presence of both a monitor point number and a storet number implies a storet record format. The absence of an entry in either field implies a site record format. The format of entries is detailed below.

Total Number of Records = 7,143

Site Record Format number of records = 267

field	occurs	% item occurs	item
1	267	100%	site number
1	0	0%	= 0
2	0	0%	monitoring point number
3	0	0%	storet number
4	267	100%	transaction date
4	0	0%	is before 1980
4	192	71.91%	= 1980
4	4	1.50%	= 1981
4	26	9.74%	= 1982
4	23	8.61%	= 1983
4	22	8.24%	is after 1983
5	0	0%	filler always empty
6	267	100%	transaction code
6	267	100%	= N
7	264	99.88%	conversion code
7	264	98.88%	= X

field	occurs	% item occurs	item
8	267	100%	permit date
8	52	19.48%	is before 1974
8	27	10.11%	= 1974
8	45	16.85%	= 1975
8	29	10.86%	= 1976
8	15	5.62%	= 1977
8	15	5.62%	= 1978
8	12	4.49%	= 1979
8	8	3.00%	= 1980
8	50	18.73%	= 1981--1983
8	14	5.24%	= 1984 or after
9	267	100%	operating permit number
10	110	41.2%	supplement date
11	111	41.6%	supplement number
12	3	1.1%	compliance period
13	14	5.2%	final date
14	267	100%	basin code

Monitoring Point Record Format number of records = 1106

Field	occurs	% item occurs	item
1	1106	100%	site number
1	0	0%	= 0
2	1106	100%	monitoring point
2	956	86.44%	= first letter in code is G (groundwater sample)
3	0	0%	storet number
4	1106	100%	transaction date
4	0	0%	is before 1980
4	544	49.19%	= 1980
4	21	1.90%	= 1981
4	187	16.91%	= 1982
4	167	15.10%	= 1983
4	0	0%	is after 1983
5	0	0%	filler always empty
6	1106	100%	transaction code
6	1106	100%	= N
7	1100	99.5%	conversion code
7	1100	99.46%	= X
8	1	0.09%	monitor point status
9	1	0.09%	status date
10	7	0.63%	gradient designation
10	6	0.54%	= D (down)
10	1	0.09%	= U (up)
11	5	1.36%	supplement date
12	5	1.36%	supplement number
13	5	1.36%	program code
13	7	0.63%	= X1
14	1106	100%	background reporting periods
14	1098	99.28%	= 01
			reporting requirements -- repeated four times
			reporting requirements one
15	14	1.26%	cycle of sampling
16	6	0.54%	cycle of reporting
17	1098	99.28%	start date
17	1091	98.64%	= 0083
18	1098	99.28%	end date
18	1091	98.64%	= 0115
19	7	0.63%	replicates

field	occurs	% item occurs	item
		reporting requirements two	
20	7	0.63%	cycle of sampling
21	7	0.63%	cycle of reporting
22	1098	99.28%	start date
22	1091	98.64%	= J
23	0	0%	end date
24	0	0%	replicates
		reporting requirements three and four are all blank	
25	0	0%	
26	0	0%	
27	0	0%	
28	0	0%	
29	0	0%	
30	0	0%	
31	0	0%	
32	0	0%	
33	0	0%	
34	0	0%	
35	1074	97.11%	% (meaning unknown)

Storet Record Format number of records = 5770

field	occurs	% item occurs	item
1	5770	100%	site number
1	0	0%	= 0
2	5770	100%	monitoring point
2	5140	89.08%	= first letter of code is G (groundwater sample)
3	5770	100%	storet number
3	0	0%	= 0
4	5770	100%	transaction date
4	0	0%	is before 1980
4	2636	45.68%	= 1980
4	130	2.25%	= 1981
4	761	13.19%	= 1982
4	525	9.10%	= 1983
4	0	0%	is after 1983
5	0	0%	filler always empty
6	5770	100%	transaction code
6	5770	100%	= N
7	4445	77.0%	conversion code
7	4445	77.04%	= X
8	30	0.52%	program code

field	occurs	% item occurs	item
9	0	0%	supplement date
10	0	0%	supplement number
			ACL standard
11	0	0%	lower limit
12	30	0.52%	upper limit
13	30	0.52%	reporting level
	reporting requirements - repeated four times		
	reporting requirement one		
14	328	5.68%	cycle of sampling
15	328	5.68%	cycle of reporting
16	328	5.68%	start date
17	220	3.81%	end date
18	328	5.68%	replicates
	reporting requirements two, three and four are all blank		
19	0	0%	
20	0	0%	
21	0	0%	
22	0	0%	
23	0	0%	
24	0	0%	
25	0	0%	
26	0	0%	
27	0	0%	
28	0	0%	
29	0	0%	
30	0	0%	
31	0	0%	
32	0	0%	
33	0	0%	
34	0	0%	

b Example Listings

The following are typical lines from the Permit Conditions Master file which are formated as in the original file except spaces have been added between fields The overall line length with the added blanks is about 150 characters so part of the filler field and the "reporting requirements" in the 2nd and 3rd line types have been truncated as shown. This file contains three types of lines. The three are called the Site Record, the Monitoring Point Record and the Storet Record respectively. These can be differentiated by inspecting the second and third fields, the monitoring point and the storet number, in each line. If both of these fields are blank the line is a Site Record. If only the storet number field is blank the line is a Monitoring Point Record. If niether of these fields is blank the line is a Storet Record. Typical lines of each type are as follows:

Site Records are formatted as follows:

site number	monitor pt	stor et num	trans action date	fill er	* 1	* 2	permit date	operating permit date	supplement number	supplement number	*3	final date	basin code	filler----->

*1 transaction code *2: conversion code *3: compliance period

```
0010650002              800102       M X 741205 1974-70-0P                                  KZ
```

Monitoring Point Records are formatted as follows.

site number	monitor pt	stor et num	trans action date	fill er	* 1	* 2	* 3	status date	* 4	supplement number	supplement number	*5	*6	* 7	* 8	reporting rqmts 1 start date	reporting rqmts 1 end date	* 9	reporting requirements repeats 2-4 ---------->

*1. transaction code *4 gradient designation *7: cycle of sampling
*2: conversion code *5 program code *8: cycle of reporting
*3: compliance period *6: background reporting periods *9: replicates

```
0010650002 G101         800102       M X                                    01       QQ83 0115          1
```

Storet Records are formatted as follows.

site number	monitor pt	stor et num	trans action date	filler	*1	*2	*3	supplement date	supplement number	ACL standards lower lim	ACL standards upper lim	*4	*5	*6	reporting requmts 1 start date	reporting requmts 1 end date	*7	reporting reqrmts repeats 2-4 ------>

*1 transaction code
*2: conversion code
*3: program code
*4: reporting level
*5: cycle of sampling
*6. cycle of reporting
*7 replicates

0010650002	G101	00940	800102		M	X												
0010650002	G101	01046	800102		M	X												
0010650002	G101	70300	800102		M	X												
0018010001			800102		M	X	780804	1977-13-OP				KDA						
0018010001	G101		800102		M	X				01	QQ83	0115				1		
0018010001	G101	00335	800102		M	X												
0018010001	G101	00608	800102		M	X												
0018010001	G101	01020	800102		M	X												

RESOURCE CONSERVATION AND RECOVERY ACT (RCRA)

A. File Description and Summary

The data in this file were collected using EPA form 8700-12, Notification of Hazardous Waste Activity. The file was updated with information from EPA form 3510-3, Application for Hazardous Waste Permit. The records contain identifying information on the particular facility (e.g., name, address, etc.) plus information on the waste being handled. Included in this handling information is data regarding what kind of waste the facility handles, what it does with the waste and how it transports it. Note that this information is broken up into two cards. Card #1 contains identifier/transporter information. Card #2 contains up to fourteen waste codes (in fields two through fifteen) identifying the types of waste handled. Typical records are detailed below.

Number of Records = 4,651

Field	occurs	% item occurs	item
1	4651	100%	card type
			Facility record:
2	4651	100%	name
3	4651	100%	id
4	4651	100%	federal facility (y/n)
4	22	0.47%	= Y
4	4629	99.53%	= N
5	4651	100%	generator (y/n)
5	2217	47.67%	= 0 means answer was No
6	4651	100%	treat/store/dispose
6	4089	87.92%	= 0 means answer was No
7	4651	100%	underground injection (y/n)
7	4623	99.40%	= 0 means answer was No
8	4651	100%	transporter (y/n)
8	4013	86.28%	= 0 means answer was No
			transporter modes:
9	4651	100%	Air
9	4647	99.91%	= 0 means answer was No
10	4651	100%	Rail
10	4609	99.10%	= 0 means answer was No
11	4651	100%	Highway
11	3757	80.78%	= 0 means answer was No
12	4651	100%	Water
12	4642	99.81%	= 0 means answer was No
13	4651	100%	Other
13	4641	99.785%	= 0 means answer was No
14	4651	100%	ISWS id (e.g., R035/6)

field	occurs	% item occurs	item
			facility street address:
15	4651	100%	street address site
16	4638	99.72%	street address mail
			contact record:
17	4586	98.60%	area code
18	4586	98.60%	exchange
19	4586	98.60%	phone number
			facility city record:
20	4651	100%	city
21	4651	100%	zip code
21	23	0.49%	= 0
22	4636	99.68%	mail city
23	4636	99.68%	mail zip code
			contact record:
24	4627	99.48%	name/position
25	2778	59.73%	owner record

card 2 contains waste codes, fields 2 through 15

2	5099	99.45%
3	4121	80.38%
4	3348	65.30%
5	2949	57.52%
6	2645	51.59%
7	2398	46.77%
8	2128	41.51%
9	1762	34.37%
10	1588	30.97%
11	1499	29.24%
12	1443	28.15%
13	1397	27.25%
14	1347	26.27%
15	1307	25.49%

b. Example Listings

The RCRA base file was created from the U S. RCRA file and includes only Illinois data. The data has a variable number of cards per record, the first four cards of each site are standard, then there is a variable number of cards giving waste stream information. Note column one is always blank and column two is only used to designate a new site via a ")" in that column.

Code Explanations:

*1: New site Designator a) in column 2
*2: Federally Owned Y is yes N is No
*3-6: X is yes O is no
*3: generator
*4. treat, store, dispose TSDF
*5: underground injection UIC
*6: transporter TRANS
*7-*B: transporter modes a letter is yes a O is no
*7 air A or O
*8: rail R or O
*9: highway H or O
*A: water W or O
*B other O or O

c* o1 1 1	Facility Name CARD 1	Federal EPA Code 12 digits	*	**** 3456	***** 789AB	Se- quence Number
)SHELL OIL CO HARRISTOWN PLT		ILD000609032	N	XOOX	OOHOO	RO0037

Facility Location CARD 2	Fil ler 3x	Facility mailing address	Fi li 1 x	Phone number area exchange number
ST RTE 36 WEST		BOX 116		217 963 2488

Facility City CARD 3	Fac zip	Fil ler 3x	Facility mailing city	Fi l 2x	Fac Mail zip
HARRISTOWN	62537		HARRISTONW		62537

Facility Contact Person CARD 4	Fil ler 3x	Facility owner
CUNNINGHAM LYLE PLANT SUPT		SHELL OIL COMPANY

Hazardous Waste Codes	
CARDS 5-?	

D000 D001 K049 K051 K052

Example lines from file

```
)HANNA CORP                                ILD000646745 N 0000 00000 R00046
 1765 N ELSTON AVE                  1765 NORTH ELSTON AVENUE          312 384 7000
 CHICAGO                    60622   CHICAGO                    60622
 SCHWARTZ WILLIAM MGR MFG SERVS
 D000
)MOTOR OILS REFINING CO                    ILD000646786 N XX00 00H00 R00050
 7601 W 47TH ST                     7601 WEST 47TH ST              312 442 6166
 MCCOOK                     60525   MCCOOK                     60525
 MCEWAN BRIAN                       MORECO ENERGY INCORP
 D002 K048 K049 K050 K051 K052 D008
)ECOLOGICAL TRANSFER                       ILD000646737 N 0000 00000 R00045
 13642 KENTON AVE                   13642 KENTON AVE
 CRESTWOOD                  60445   CRESTWOOD                  60445
 STRAND RICHARD OWNER
 F001 F002 F003 F004 F005 F006 F007 F008 F009 F010 F011 F012 F013 F014
 F015 F016 K001 K002 K003 K004 K005 K006 K007 K008 K009 K010 K012 K014
 K015 K016 K017 K018 K019 K020 K021 K022 K023 K024 K025 K026 K027 K028
 K029 K030 K031 K032 K033 K034 K035 K036 K037 K038 K039 K040 K041 K042
 K043 K048 K049 K050 K051 K052 K053 K054 K055 K056 K057 K058 K059 K060
 K061 K062 K063 K064 K065 K066 K067 K068 K069 P004 P005 P006 P008 P010
 P011 P012 P013 P014 P016 P018 P019 P020 P021 P022 P023 P025 P026 P027
 P028 P029 P030 P032 P034 P035 P037 P038 P039 P040 P041 P042 P043 P044
 P045 P046 P047 P048 P049 P050 P051 P052 P053 P054 P055 P057 P058 P059
 P060 P061 P062 P063 P066 P067 P068 P069 P070 P071 P072 P073 P074 P075
 P077 P082 P083 P084 P086 P087 P088 P089 P090 P091 P092 P093 P094 P097
 P098 P099 P100 P101 P102 P103 P104 P105 P106 P107 P108 P109 P110 P111
 P113 P114 P115 P116 P117 P118 P119 P120 P121 P122 U001 U002 U003 U004
 U005 U007 U009 U010 U011 U012 U013 U014 U015 U016 U017 U018 U019 U021
 U022 U023 U024 U025 U026 U027 U028 U030 U031 U032 U034 U035 U036 U037
 U038 U039 U040 U041 U042 U043 U044 U046 U047 U048 U049 U050 U051 U052
 U053 U054 U055 U056 U057 U058 U059 U060 U061 U062 U063 U064 U065 U066
 U067 U068 U069 U070 U071 U072 U073 U074 U076 U077 U078 U079 U080 U081
 U082 U083 U084 U085 U086 U087 U088 U089 U090 U091 U093 U094 U095 U096
 U190 U191 U192 U193 U194 U197 U200 U201 U202 U203 U204 U205 U206 U207
 U208 U209 U210 U211 U212 U213 U214 U215 U216 U217 U218 U219 U220 U221
 U223 U224 U225 U226 U227 U228 U229 U230 U231 U232 U233 U235 U236 U237
 U238 U239
)HENRY COUNTY LANDFILL                     ILD000646752 N 0000 00000 R00047
 RR 1                               RURAL ROUTE #1                309 936 7468
 ATKINSON                   61235   ATKINSON                   61235
 OLDGIELD BARNEY SUPT
 D000 D001 D002 F017 F018 K078 K079 K081
```

COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT (CERCLA)

A. File Description and Summary

The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), more commonly known as Superfund, requires that certain persons notify the USEPA of the existence of sites where hazardous substances are stored, treated or disposed. From these responses the USEPA has composed a list of 8664 facilities which deal with hazardous wastes. This list was also supplied by the NTIS. Each record has twenty five fields, and contains identifier information (name, address, etc.), plus information on the amount and type of waste handled. The record also notes any known or suspected releases of hazardous substances into the environment. The format of the entries is detailed below.

Number of Records = 480

Field	occurs	% item occurs	item
1	480	100%	ISWS id sequence number (e.g., 8147)
			facility:
2	480	100%	name
3	480	100%	street address
4	476	99.17%	city
5	480	100%	state
5	480	100%	= IL
6	464	96.67%	zip code
6	0	0%	= 0
6	463	96.46%	first digit is a 6
7	392	81.67%	county ** The distribution of county ** ** codes was examined and the ** ** results follow the file ** ** description. **
8	452	94.17%	total waste amount
8	193	40.21%	= 0
9	421	87.71%	waste amount units
9	211	43.96%	= G (gallons)
9	149	31.04%	= C (cubic feet)
10	450	93.75%	facility area
10	184	38.33%	= 0
11	418	87.08%	area units
11	249	51.88%	= A (acres)
11	155	32.29%	= S (square feet)
12	398	82.92%	waste handling dates, from --
13	426	88.75%	waste handling dates, -- to
14	333	69.38%	releases
14	233	48.54%	= NONE

field	occurs	% item occurs	item
			notifier person:
15	480	100%	name
16	478	99.58%	street address
17	479	99.79%	city 18 479 99.79% state
18	345	71.88%	= IL
19	479	99.79%	zip code
19	0	0%	= 0
19	362	75.42%	first digit is a 6
20	480	100%	owner/operator codes
20	53	11.04%	= 000000
20	99	20.63%	= X00000
20	57	11.88%	= 00X000
20	76	15.83%	= 0000X0
20	41	8.54%	= X0X000
			contact person:
21	480	100%	name
22	479	99.79%	phone
23	474	98.75%	facility codes
23	0	0%	= 0
24	369	76.88%	waste source codes
24	0	0%	= 0
25	457	95.21%	waste type codes
25	0	0%	= 0

The distribution of county codes (field 7) is as follows:

County	Occurs	% Occurs	County	Occurs	% Occurs
(blank)	88	18.33%			
ADAMS	15	3.12%	MACON	3	0.62%
B	1	0.21%	MACOUPIN	1	0.21%
BOONE	2	0.42%	MADISON	23	4.79%
BUREAU	10	2.08%	MARION	1	0.21%
CARROLL	1	0.21%	MARSHALL	1	0.21%
CHAMPAIGN	1	0.21%	MASON	1	0.21%
CLARKE	1	0.21%	MASSAC	3	0.62%
CLAY	1	0.21%	MCHENRY	6	1.25%
COLES	2	0.42%	MCLEAN	3	0.62%
COOK	130	27.08%	MONTGOMERY	1	0.21%
CRAWFORD	2	0.42%	OGLE	2	0.42%
DEKALB	1	0.21%	OTTAWA	1	0.21%
DEWITT	1	0.21%	PEORIA	13	2.71%
DOUGLAS	2	0.42%	PIKE	2	0.42%
DUPAGE	14	2.92%	R.	1	0.21%
EDGAR	1	0.21%	RICHLAND	2	0.42%
EDWARDS	1	0.21%	ROCK	6	1.25%
FAYETTE	1	0.21%	SANGAMON	2	0.42%
FULTON	1	0.21%	ST.	17	3.54%
GRUNDY	1	0.21%	ST.CLAIR	2	0.42%
GRUNDY	1	0.21%	STARK	3	0.62%
HENRY	1	0.21%	STEPHENSON	3	0.62%
I	1	0.21%	TAZEWELL	2	0.42%
JO	1	0.21%	UNION	1	0.21%
JODAVIESS	1	0.21%	VERMILION	1	0.21%
KANE	18	3.75%	VERMILLION	1	0.21%
KANKAKEE	2	0.42%	WHITESIDE	7	1.46%
KENDALL	1	0.21%	WILL	16	3.33%
KNOX	7	1.46%	WILLIAMSON	6	1.25%
LAKE	20	4.17%	WINN	1	0.21%
LASALLE	7	1.46%	WINN.	1	0.21%
LAWRENCE	2	0.42%	WINNEBAGO	4	0.83%
LEE	1	0.21%	WINNEGAGO	1	0.21%
LUCAS	1	0.21%	WOODFORD	1	0.21%

b. Example Listings

The CERCLA file includes name and address information along with data on the type of waste produced by hazardous waste related facilities in Illinois. Each observation is split into four lines in order to display the lines on a 132 column format as follows.

```
Typical line 1
|sequen| site name                                | street                                | city                          |st| zip  | county       |
|number|                                          |                                       |                               |  | code |              |
-------------------------------------------------------------------------------------------------------------------------------
 S1      (NO NAME)                                  FISCHER RD                              OTTARIOVILLE                    IL 60103 COOK

Typical line 2:
| waste    |*| facility |*| waste    |releases | person required to notify
| amount   |1| area     |2| handling|to envir-| name                                  | address                       | city, st
| tot est  | | tot est  | |f/todates|onment   |                                       |                               | and zip ---:
-------------------------------------------------------------------------------------------------------------------------------
      *1  waste amount units      *2:  facility area units
          C   cubic feet                S   square feet
          G   gallons                   A   acres
0000006160 G 0000000100 S       1974            BROWNING FERRIS INDUSTIES OF IL , INC.    1827 WALDEN OFF. SQUARE 107    SHAUMBURG

Typical line 3:
|notif| contact name/position          | phone num| fac type| source of waste -------->
|codes|                                |          | codes** | codes**
-------------------------------------------------------------------------------------------------------------------------------
                                                    **see mag tape format for codes
0000X0 EDEMA, GEORGE DIR OF MARKETING 3123977760 39         0014

Typical line 4:
| EPA hazardous waste number codes** ----->
-------------------------------------------------------------------------------------------------------------------------------
                                                    **see mag tape format for codes
000900100011

 S2      *NO NAME*                                  1834 W. COLUMBIA ST                CHICAGO                         IL 60626 COOK
0000000550 G 0000000000 A 1957 1979 NONE       METAL REMOVAL TOOLING DIV. FEDERAL MOGUL 5740 N. TRIPP ST                      CHICAGO
0X0X00 BREAGEL, M.J. PLANT ENGINEER    3125838200 97         0018
F0020003

 S3      A.P. GREEN REFRACTORIES, MORRIS PLT.       R.R. #1                            MORRIS                          IL 60450 GRUNDY
0000000100 G 0000000300 S 1963 1981 NONE       A.P. GREEN REFRACTORIES CO.                    GREEN BLVD.                      MEXICO
X00000 WERNER, GLEN ENVIR. CHEMIST     3144733395 49         0018
00060007
```

S4 A-A WASTE OIL SERVICE INC. 1800 78TH AVE. WEST ROCK ISLAND IL 61201 ROCK ISLAND
1976 1981 NONE A-A WASTE OIL SERVICE, INC. P O. BOX 3063 SPRINGFIELD
000000 DEL VICHIO, DAVID MANAGER 3097872621 47
D001D008K048K049K051K052

S5 A-1 MULTIPLATE SERVICE INC. 411 N. MILWAUKEE AV. CHICAGO IL 60610 COOK
0000001200 G 0000001000 S 1973 1981 A-1 MULTIPLATE SERVICE INC 411 N. MILWAUKEE AV CHICAGO
00X000 SCHULZE, GARY 3127381833 49 00090010
0005000600070008

S6 ABBOTT LABORATORIES-SKOKIE WAREHOUSE SKOKIE HWY AT 22ND ST NORTH CHICAGO IL 60064 LAKE
0000000000 C 0000000005 A 1960 1970 NONE ABBOTT LABORATORIES 1400 SHERIDAN RD. NORTH CHICAGO
X00XX0 SCHWARTZ, DAVID-DIR. CORP ENV 3129378380 329 0018
0011

S7 ABEX CORP.-A.L. HANSEN DIV 2155 DELANEY RD. GURNEE IL 60031 LAKE
0000008450 G 0000001000 S 1967 1980 ABEX CORP 530 FIFTH AV. NEW YORK
X00000 BORCHERDING, CHARLES H. DIR. 3125213210 39 0018
00030004

S8 ABEX CORP-NATL BEARING DIV-CLEARING PLT. 5331 WEST 66 ST. CHICAGO IL 60638 COOK
0000000000 A 1936 1960 ABEX CORP. 530 FIFTH AV NEW YORK
0X0000 BORCHERDING, CHARLES H. DIR. 3125213210 93 0018
00050006

S9 ABEX-AMSCO DIV-CHICAGO HEIGHTS PLT 389 E. 14TH ST CHICAGO HEIGHTS IL 60411 COOK
0000100000 C 0000000002 A 1902 1980 ABEX CORP. 530 FIFTH AV NEW YORK
0X0000 BORCHERDING, CHARLES H. ENVIR. 3125213210 349 00070008
0005

S10 ACCO INTERNATIONAL INC. 900 EAST 95TH ST. CHICAGO IL 60619 COOK
0000100000 G 0000097000 S 1975 1981 NONE ACCO INTERNATIONAL INC. 900 EAST 95TH ST. CHICAGO
X00000 EVANS, EDWARD PLT MGR. 3127341811 94

SURFACE IMPOUNDMENT ASSESSMENT

A. File Description and Summary

The USEPA has provided data from the National Surface Impoundment Assessment (SIA) to the State of Illinois. The data were provided in two different files. The first file contains data on the location of the site and the impoundment count. Each listing contains identification information (e.g., name, address, etc.), data on the number of impoundments, plus very accurate locational data in the form of a latitude/longitude in degrees-minutes-seconds. The second file contains data on the operational features of the impoundment and ground water contamination potential. 1207 facilities are listed. In addition to the standard identifier information, data is compiled on how much waste is handled, the length of operation, and the surrounding environment. In addition, the facility's SIC code is included.

file #1 Number of Records = 5062

field	occurs	% item occurs	item
1	5062	100%	ISWS id number (e.g., P0976)
2	5062	100%	state
2	5062	100%	= IL
3	5062	100%	county ** The distribution of county ** ** codes was examined and the ** ** details follow the file ** ** description. **
4	5062	100%	place code
5	5062	100%	USE catagory code
6	5062	100%	unique SIA site number
7	5062	100%	number of impoundments
8	2	0.04%	state id number
9	1110	21.93%	NPDES number
10	5061	99.98%	SIC code
			lat/long location
11	5062	100%	latitude degrees
12	5062	100%	latitude minutes
13	5062	100%	latitude seconds
14	5062	100%	longitude degrees
15	5062	100%	longitude minutes
16	5062	100%	longitude seconds
17	5062	100%	date of data

field	occurs	% item occurs	item
			owner:
18	5059	99.94%	name
19	4559	90.06%	address
20	4967	98.12%	city
21	4838	95.57%	state
21	4763	94.09%	= IL
22	4773	94.29%	zip code
22	4731	93.46%	6 is first digit
			operator:
23	3401	67.19%	name
24	3270	64.60%	address
25	3372	66.61%	city
26	3369	66.55%	state
26	2883	56.95%	= IL
27	3188	62.98%	zip code
27	2858	56.46%	6 is first digit
28	457	9.03%	facility Dun's
29	101	2.00%	operator Dun's

File # 2 Number of Records = 1207

field	occurs	% item occurs	item
1	1207	100%	ISWS id number
2	1207	100%	FIPS county code
3	1207	100%	standard place code
4	1207	100%	USE catagory
5	1207	100%	unique SIA site number
6	1207	100%	number of impoundments
7	1206	99.92%	impoundment purpose code
8	578	47.89%	purpose of impoundment
9	1207	100%	age
9	44	3.65%	= 0
10	1200	99.42%	in use/not in use
10	1045	86.58%	Y is first letter
10	151	12.51%	N is first letter
11	1207	100%	years in operation
11	176	14.58%	= 0
12	1207	100%	last operational year
12	1062	87.99%	= 0

field	occurs	% item occurs	item
13	1207	100%	impoundment surface area
13	234	19.39%	= 0
14	1207	100%	all impoundment surface area
14	697	57.75%	= 0
15	1207	100%	influent average gal/day
15	654	54.18%	= 0
16	1207	100%	influent year
16	656	54.35%	= 0
17	1207	100%	effluent average gal/day
17	1129	93.54%	= 0
18	1207	100%	effluent year
18	870	72.08%	= 0
19	1207	100%	influent average all gal/day
19	915	75.81%	= 0
20	1207	100%	influent year
20	915	75.81%	= 0
21	1207	100%	effluent average all gal/day
21	1148	95.11%	= 0
22	1207	100%	effluent year
22	1044	86.50%	= 0
23	1207	100%	pond liner data type
23	510	42.25%	= 0
24	1207	100%	pond liner thickness, inches
24	1176	97.43%	= 0
25	121	10.02%	pond liner other
26	182	15.08%	type of livestock
27	1207	100%	livestock number
27	1102	91.30%	= 0
28	1207	100%	number of monitoring wells
28	1176	97.43%	= 0
29	34	2.82%	ground water sampling frequency
30	10	0.83%	other sampling frequency
31	29	2.40%	changes in groundwater quality
32	1207	100%	groundwater affected by seepage
33	1207	100%	steps 1
34	1207	100%	steps 2
35	1207	100%	steps 3
36	1207	100%	steps 4
37	1207	100%	steps 5
38	1207	100%	steps 6
39	1177	97.51%	miscellaneous id
40	970	80.36%	waste id
41	456	37.78%	facility Dun's
42	100	8.29%	operator Dun's
43	1207	100%	sic code

The distribution of the county codes (field 3) is as follows:
obs = 5062

county code	occurs	%	county code	occurs	%	county code	occurs	%
001	31	0.612406%	071	2	0.0395101%	141	17	0.335836%
003	8	0.15804%	073	19	0.375346%	143	36	0.711181%
005	48	0.948242%	075	9	0.177795%	145	28	0.553141%
007	6	0.11853%	077	67	1.32359%	147	4	0.0790202%
009	3	0.0592651%	079	142	2.80522%	149	20	0.395101%
011	20	0.395101%	081	131	2.58791%	151	10	0.19755%
013	3	0.0592651%	083	4	0.0790202%	153	7	0.138285%
015	12	0.23706%	085	16	0.316081%	155	4	0.0790202%
017	4	0.0790202%	087	7	0.138285%	157	42	0.829712%
019	18	0.355591%	089	35	0.691426%	159	131	2.58791%
021	132	2.60767%	091	22	0.434611%	161	25	0.493876%
023	91	1.79771%	093	5	0.0987752%	163	67	1.32359%
025	192	3.79297%	095	24	0.474121%	165	76	1.50138%
027	142	2.80522%	097	42	0.829712%	167	90	1.77795%
029	42	0.829712%	099	30	0.592651%	169	1	0.019755%
031	58	1.14579%	101	294	5.80798%	171	3	0.0592651%
033	301	5.94627%	103	10	0.19755%	173	26	0.513631%
035	12	0.23706%	105	11	0.217305%	175	5	0.0987752%
037	20	0.395101%	107	4	0.0790202%	177	30	0.592651%
039	20	0.395101%	109	32	0.632161%	179	44	0.869222%
041	12	0.23706%	111	38	0.750691%	181	13	0.256815%
043	69	1.3631%	113	25	0.493876%	183	29	0.572896%
045	23	0.454366%	115	32	0.632161%	185	221	4.36586%
047	80	1.5804%	117	30	0.592651%	187	7	0.138285%
049	65	1.28408%	119	128	2.52864%	189	90	1.77795%
051	68	1.34334%	121	102	2.01501%	191	290	5.72896%
053	13	0.256815%	123	3	0.0592651%	193	346	6.83524%
055	82	1.61991%	125	9	0.177795%	195	18	0.355591%
057	24	0.474121%	127	8	0.15804%	197	64	1.26432%
059	107	2.11379%	129	8	0.15804%	199	90	1.77795%
061	9	0.177795%	131	9	0.177795%	201	22	0.434611%
063	22	0.434611%	133	11	0.217305%	203	17	0.335836%
065	80	1.5804%	135	24	0.474121%	OAG	1	0.019755%
067	9	0.177795%	137	12	0.23706%			
069	10	0.19755%	139	7	0.138285%			

b Example Listings

The USEPA Surface Impoundment Assessment (SIA) for Illinois as recieved includes two files, SIA Sections I and II The first file contains site information and the second contains impoundment information. Lines from these files have been folded to fit 132 column format, resulting in three and two line observations respectively as follows.

Typical Section I observation:

typical line 1:

st	cty FIP cd	place code	USE cat cd	site num	num imp	state id num	NPDES number	sic code	latitude dg	mn	sc	longitude deg	mn	sc	locat date	land owner - name
IL	001	04247	AGR	00130	001			0211	39	49	25	090	50	15	041279	GARY LIPCAMON

typical line 2:

land owner - address	land owner - city	st	zip	operator - name
RURAL ROUTE 2	BAYLIS	IL	62314	

typical line 3:

operator - address	operator - city	st	zip code	DUNNS numbers facility	DUNNS numbers operator
				025768243	
IL 001 62367 IND 00158 001					
NORTH 18TH ST	QUINCY	IL	62301		
				025768243	
IL 001 62367 IND 00339 001					
1900 SOUTH FRONT STREET	QUINCY	IL	62301		
				006295109	
IL 001 62367 IND 00387 001					
P O BOX 812 4505 GARDNER EXPRESSWAY	QUINCY	IL	62301		
				083031906	
IL 001 62367 MUN 00481 003					
58TH AND STATE	QUINCY	IL	62301		
IL 001 48307 MUN 00492 001					
VILLAGE HALL	MENDON	IL	62351		

st	cty FIP cd	place code	USE cat cd	site num	num imp	state id num	NPDES number	sic code	latitude dg	mn	sc	longitude deg	mn	sc	locat date	land owner - name
IL	001	62367	IND	00158	001			2951	39	52	20	091	23	20	041279	DIAMOND CONSTRUCTION CO INC
IL	001	62367	IND	00339	001		IL0003590	2075	39	54	30	091	24	57	041279	QUINCY SOYBEAN COMPANY
IL	001	62367	IND	00387	001		IL0003441	3079	39	52	48	091	25	50	041279	TUSCARORA PLASTICS INC
IL	001	62367	MUN	00481	003		IL0051713	4952	39	55	01	091	20	13	041279	EARL PETERS
IL	001	48307	MUN	00492	001		IL0025321	4952	40	04	57	091	18	28	041279	VILLAGE OF MENDON

```
IL 001 62367 MUN 00502 003                IL0053805 4952 39 55 00 091 18 15 041279 DON HEMING
R R #1                                    QUINCY                          IL 62301

IL 001 62367 MUN 00597 003                IL0038261 4952 39 59 32 091 23 28 041279 PARADISE LANE MOBILE HOME PARK
RURAL ROUTE #2                            QUINCY                          IL 62301

IL 001 58265 MUN 00612 001                IL0030554 4952 39 48 20 091 16 15 041279 VILLAGE PRESIDENT
VILLAGE HALL                              PAYSON                          IL 62360

IL 003 45525 MUN 00477 002                          4941 37 19 15 089 26 00 041279 MCCLURE-E CAPE GIRARDEAU WATER DIST
C/O CLYDE PIERCE JR                       MCCLURE                         IL 62957
```

Typical Section II observation:

typical line 1.

st	cty FIP cd	place code	USE cat cd	site num	num imp	*1 purpose of impoundment	*2	*3	*4	last year oper	surf area impoun	surface area of all imp	influent average gal/day	inf year	effluent average gal/day	eff year	influent ave all gal/day	inf year	effluent ave all gal/day	eff year

*1: impoundment purpose code
*2: impoundment age
*3: impoundment in use (1 Y, 2 N)
*4: number of years in operation

```
IL 001 04247 AGR 00130 001 1                01 Y 01 0000 000110 0000000 000000000 0000 000000000 0000 000000000 0000 000000000 0000
```

typical line 2:

*5	*6	other liner type	*7	livstk number	*8	*9	other sample frequency	*10	*11	steps 1 thru 6	*12	wast id num	DUNNS num facility	DUNNS num operator	sic code

*5: type of bottom liner
*6: liner thickness, inches
*7: type of livestock code
*8: number of monitoring wells
*9: sample frequency
*10: ground water quality code
*11: seepage affect on GW code
*12: misc. identifier

```
01 000                  5 000000 00                     3 1EA 3AA 5C 5A 14 0DB RU  1703                          0211

IL 001 62367 IND 00158 001 3 SETTLING     05 Y 05 0000 000000 0000000 000240000 1973 000240000 1973 000240000 1973 000000000 1973
00 000                  000000 00                       3 3DC 5AB 5A 7B 20 6BB RU       025768243               2951

IL 001 62367 IND 00339 001 1              02 Y 02 0000 000000 0000000 000000000 0000 000000000 0000 000000000 0000 000000000 0000
00 000                  000000 00                       3 6CB 5AB 5A 2B 18 8BB DFL      006295109               2075

IL 001 62367 IND 00387 001 3 SETTLING     05 Y 05 0000 000033 0000033 000276000 1975 000276000 1975 000276000 1975 000276000 1975
00 000                  000000 00                       3 9EB 5AB 5A 2A 21 9AB DL  2401 083031906               3079

IL 005 31589 IND 00326 001 3 SETTLING     05 Y 05 0000 000014 0000014 000000000 0000 000000000 0000 000000000 0000 000000000 0000
00 000                  000000 00                       3 3EB 5AB 4A 2A 14 5CB RU  2401 006286249 980398424 2023
```

```
IL 005 39753 DAG 00009 002 2                37 Y 37 0000 000033 0000065 000001680 1978 000000000 1978 000003360 1978 000000000 1978
01 000                  000000 00                   3 1FB 5AB 4A 8A 18 3CC RU  2103                    1311

IL 005 60872 DAG 00014 001 2                24 Y 24 0000 000005 0000000 000000084 1978 000000000 1978 000000000 0000 000000000 0000
01 000                  000000 00                   3 0HB 3AB 2A 8A 13 7AC RU  2103                    1311

IL 005 39753 DAG 00017 001 2                35 Y 35 0000 000028 0000000 000000882 1978 000000000 1978 000000000 0000 000000000 0000
01 000                  000000 00                   1 1FB 5AB 5A 8A 19 9AC RU  2103                    1311

IL 005 51284 DAG 00028 001 2                25 Y 25 0000 000010 0000000 000000126 1978 000000000 1978 000000000 0000 000000000 0000
01 000                  000000 07 4                 1 3 1FB 5AB 3A 8A 17 3CC R   2103                  1311

IL 009 51154 IND 00202 001 3 SETTLING       06 Y 06 0000 000000 0000000 000312000 1972 000000000 0000 000000000 0000 000000000 0000
00 000                  000000 00                   3 0HB 5AB 4A 7B 16 9AB RU       980397509          2951
```

COOK COUNTY WASTE FACILITIES

A. File Description and Summary

The Chicago Municipal Sanitary District (CMSD) has provided their list of Cook County waste facilities as follows:

Number of records = 1557

Field	occurs	%	
1	1557	100%	field 1 our id sequence number ex: M9999
2	1554	99.81%	facility type
2	79	5.07%	= D (Disposer)
2	172	11.05%	= H (Hauler)
2	1206	77.46%	= G (Generator)
3	1557	100%	identification number
3	0	0%	= 0
4	1557	100%	name
5	1541	98.97%	street address
6	1471	94.48%	city
7	1468	94.28%	state
7	1348	86.58%	= IL
8	1557	100%	zip code
8	326	20.94%	= 0
8	1147	73.67%	= first digit is a 6
9	1557	100%	sic code
9	1039	66.73%	=0

b Example Listings

This is a sample of the "base" file created from the Cook County Waste Facilities tape. The base file is non-positional with equal signs separating the fields There is only one type of line in the file as follows:

seq num	*2	key	facility name	address	city	st	zip code	sic code
	*1	facility type, Generator, Hauler or Disposer						
M1	D	000035954	M & M CHEMICAL CO	HIGHWAY 11A NORTH	REECE CITY	AL	35954	0000
M2	H	000135009	BANNER/WESTERN DISPOSAL		JOLIET	IL	00000	0000
M3	H	000317024	INDIANA LIQUID TRANSPORT INC	R R 3 BOX 156 B	COLUMBUS	IN	47201	0000
M4	H	000448009	ALBANY DISPOSAL	1525 W LAWRENCE AVE	CHICAGO	IL	00000	0000
M5	H	000603340	MUD RIVER	11590 READING ROAD	CINCINNATI	OH	00000	0000
M6	D	000603910	M & T DRUM SERVICE		HUNTERVILLE	NC	28078	0000
M7	H	000608596	ENVIRONMENTAL WASTE SERVICE	RTE 4 BOX 113	WINTER	WI	00000	0000
M8	D	000622464	CHEMICAL WASTE MGMT / ALABAMA		EMELLE	AL	35459	0000
M9	G	000667113	BEECO MFG CO	929 W EXCHANGE AVE	CHICAGO	IL	60609	0000
M10	G	000667143	BEECO MFG COMPANY	929 W EXCHANGE AVE	CHICAGO	IL	60609	0000

DUN'S MARKET IDENTIFIERS

A. File Description

Specific fields of interest were chosen from the original file, field separators (equal signs) were inserted and blank spaces at the beginning and end of fields were removed. The code letter U was added to the unique Dun's number for trace-back purposes.

FIELD NUMBER	FIELD DESCRIPTION
1	Dun's Number
2	Business Name
3	ZIP Code
4	Street Address
5	City Name
6	Mail Address
7	Area Code of Telephone Number
8	County Code
9	DMI Line of Business
10	Year Started
11	Annual Sales Volume
12	Employees Here
13	Employees Total
14	Primary SIC code
15	Additional SIC code 1
16	Additional SIC code 2
17	Additional SIC code 3
18	Additional SIC code 4
19	Additional SIC code 5
20	Status Indicator
21	Subsidiary Indicator
22	Manufacturing Indicator

B. Example of Base File

Here are examples of the base file created from the Dun's Market Identifiers, with field numbers given for the first three lines

```
    $1          $2          $3          $4              $5     $6 $7  $8    $9                  $10  $11    $12    $13  $14  $15     $20 $2
U020355103=SHERMAN BERNARD=62831=1 MI EAST OF HWY 51=DUBOIS=31=618=891=WHEAT & CORN FARMER=955=25001=00020=00020=0111=0115=====0=0=

    $1          $2      $3      $4     $5   $6 $7  $8    $9  $10   $11    $12    $13  $14   $15   $16   $17   $20 $22
U046798856=KENT GARY=61021=RFD #4=DIXON=0=815=504=FARM=976=31232=00010=00010=0115=0116=0212=0213===0=0=1

    $1          $2        $3       $4      $5   $6 $7  $8         $9             $10  $11    $12    $13  $14   $15     $20 $22
U049814270=HUMMEL BROS=61021=ROUTE #4=DIXON=0=815=504=CORN & SOYBEAN FARM=949=00002=00030=00030=0115=0116=====0=0=1


U070163506=NUSBAUM FARMS=61021=ROUTE 7=DIXON=0=815=504=GRAIN FARM & CATTLE=955=41000=00040=00040=0115=0116=====0=0=1
U075605030=WENDELL FARMS=61735=NEAR HWY #51=DE WITT=31=217=216=FARMER=950=32732=00030=00030=0115=0116=0212=0213===0=0=1
U079893632=GRABOWSKI RONALD=62831=NR HWY 51=DUBOIS=0=618=891=CORN FARMER=967=35250=00040=00040=0115======0=0=1
U081636383=MC COMMONS GEORGE=62926=4 MI WEST OF GOLCONDA=DONGOLA=0=618=855=GRAIN FARM=945=31982=00020=00020=0115======0=0=1
U106598469=DOWSON FARMS INC=62530=RURAL ROUTE #1=DIVERNON=0=217=792=CORN & SOYBEAN FARM=973=31982=00021=00021=0115=0116=====0=0=1
U077148633=OSMAN PRODUCE CO=62926=NR HWY 51=DONGOLA=31=618=855=VEGETABLE FRM VG=974=33712=00041=00041=0161=5148=5153====0=0=1
U038895785=FISHERS FLOWERS=62926=NR HWY 51=DONGOLA=32=618=855=GREENHOUSE FOR=977=22001=00010=00010=0181=======0=0=1
```

C. Example of Original File

This is an example from the original Dun's Market Identifiers file. Each record is 350 columns. The example line here is presented in four parts so that it could be easily printed. The first part covers columns 1 to 112 of the line, the second part columns 113 to 224, the third columns 225 to 331, and the fourth columns 332 to 350. A scale is provided to aid in column identification. Refer to the original documentation for column numbers of each item.

Example record with a complete scale (1-350)

```
                                                                                                                    1111111111111
00000000011111111112222222222333333333344444444455555555556666666667777777778888888889999999990000000000111
12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
                                                                                                                              \
07949433200046825010l BRADY MARVIN H                  401 E 1ST                 0                         ABINGDON          /  columns 1 - 112

11111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111222222222222222222222222
11111112222222222233333333334444444444555555555566666666667777777777888888888899999999990000000001111111112222222
34567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234
                                                                                                                              \
IL   61410309462320 7MARVIN H BRADY ONR ROOFING GUTTER     970       27782     00010000101761                              /  columns 113 - 224

22222222222222222222222222222222222222222222222222222222222222222222222222222233333333333333333333333333333333
22222333333333344444444445555555555666666666677777777778888888888999999999900000000001111111111222222222233
56789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901
                                                                                                                              \
BRADY SEAMLESS GUTTERS                          \                                 001         000                         /  columns 225 - 331

33333333333333333
33333333444444445
23456789012345678 90
                                                                                                                              \
      0294  830405\                                                                                                          /  columns 332 - 350
```

Appendix B. Original Documentation of Source Files

MID-35

DEPARTMENT OF FINANCE
MANAGEMENT INFORMATION DIVISION
FILE DEFINITION

PROJECT NO.	
PAGE	OF

DEPARTMENT	SYSTEM NAME	FILE NAME
LAND POLLUTION CONTROL	INVENTORY	SELECTED INVENTORY

FILE MEDIA	UNIT REQUIREMENTS NUMBER	UNIT REQUIREMENTS TYPE	RECORD SIZE Length	RECORD SIZE TYPE	BLOCK SIZE RECORDS	BLOCK SIZE LENGTH	TOTAL RECORDS	FILE LABEL
			940	FB	10	9400		

FILE ACCESS METHOD	TYPE(S) OF INQUIRY	RETENTION CYCLE

PROGRAMS USING THIS FILE	U/D	FILE SEQUENCE LEVELS	KEY DATA ELEMENTS	Element #
		MAJOR ↓		
		MINOR		

RECORD DESCRIPTION

Element #	ELEMENT NAME	Rel. Pos.	Bytes	PICTURE	Usage
	(ABISE)				

PREPARED BY	DATE	REVIEWED BY	DATE	APPROVED BY	DATE

FILE SECTION

0012 FILE DESCRIPTION: LP-LI-EXTRACT-FILE

BLOCK SIZE: 0 RECORDS
LABELS: STANDARD
RECORDING MODE: FIXED

0012 RECORD DESCRIPTION:

	LEVL	DESCRIPTION	LGTH	TYPE	FROM	TO
0016	01	LP-LI-EXTRACT-RECORD				
0017	05	LP-LI-EX-INVENTORY-SEG	721	X	1	721
0018	05	FILLER	25	X	722	746
0019	05	LP-LI-EX-DEPENDENT-SEG-ID	1	X	747	747
0020	05	LP-LI-EX-DEPENDENT-SEG	128	X	748	875
0021	05	FILLER	65	X	876	940

ABASE line 11 14

(CONTINUED) LP-LI-EXTRACT-FILE

	LEVL	DESCRIPTION		LGTH	TYPE	FROM	TO
0023	01	SELECTED-INVENTORY-EXTRACT					
0024	05	INVENTORY-SEGMENT-ID					
0025	10	INV-SEG-IEPA-INV-NO		10	N	1	10
0026	10	*INV-SEG-RD-IEPA-INV-NO		10	X	1	10
		REDEFINES					
		INV-SEG-[redacted]					
0028	10	*INV-SEG-RD2-IEPA-INV-NO					
		REDEFINES					
		INV-SEG-IEPA-INV-NO					
0030	15	FILLER	$3	6	X	1	6
0031	15	INV-SEG-IEPA-INV-NO7	$4	1	X	7	7
0032	15	FILLER	$5	3	X	8	10
0033	10	INV-SEG-FACILITY-NAME	$6	30	X	11	40
0034	10	INV-SEG-NU-EMP-FACILITY	$7 (1)	4/6	C3	41	44
0035	10	INV-SEG-TYPE-OWN-OPER	$8	1	X	45	45
0036	10	INV-SEG-TYPE-INSPECT	$9	1	X	46	46
0037	10	INV-SEG-FACILITY-RPCP	$10	1	X	47	47
0038	10	INV-SEG-[redacted]					
0039	15	INV-SEG-FINANCE-REQ-CLOS	$11	1	X	48	48
0040	15	INV-SEG-FINANCE-REQ-PCLOS	$12	1	X	49	49
0041	15	INV-SEG-FINANCE-REQ-L-INS	$13	1	X	50	50
0042	10	INV-SEG-FEDERAL-SUPEFUND					
0043	15	INV-SEG-FED-SF-SI-LD-REM	$14	1	X	51	51
0044	15	INV-SEG-FED-SF-SI-LD-P-REM	$15	1	X	52	52
0045	15	INV-SEG-FED-SF-FU-LD-REM	$16	1	X	53	53
0046	15	INV-SEG-FED-SF-FU-LD-P-REM	$17	1	X	54	54

LPFDPRNT (CONTINUED)

(CONTINUED) LP-LI-EXTRACT-FILE

	LEVL	DESCRIPTION	LGTH	TYPE	FROM	TO
0047	15	INV-SEG-FED-SF-FD-LD-EMGNY $18	1	X	55	55
0048	10	INV-SEG-IL-HAZ-WASTE-FUND				
0049	15	INV-SEG-IL-ST-HAZ-WF-REM $19	1	X	56	56
0050	15	INV-SEG-IL-ST-HAZ-WF-P-REM $20	1	X	57	57
0051	15	INV-SEG-IL-ST-HAZ-WF-EMGNY $21	1	X	58	58
0052	10	INV-SEG-LATITUDE				
0053	15	INV-SEG-LAT-DEGREES	2	N	59	60
0054	15	INV-SEG-LAT-MINUTES	2	N	61	62
0055	15	INV-SEG-LAT-SECONDS	2	N	63	64
0056	10	*INV-SEG-RD-LATITUDE REDEFINES INV-SEG-LATITUDE $22	6	X	59	64
0058	10	INV-SEG-LONGITUDE				
0059	15	INV-SEG-LONG-DEGREES	2	N	65	66
0060	15	INV-SEG-LONG-MINUTES	2	N	67	68
0061	15	INV-SEG-LONG-SECONDS	2	N	69	70
0062	10	*INV-SEG-RD-LONGITUDE REDEFINES INV-SEG-LONGITUDE $23	6	X	65	70
0064	10	INV-SEG-MEAN-SEA-LEVEL $24 (2)	3/4	C3	71	73
0065	10	INV-SEG-LEGAL-DESCRIPT				
0066	15	INV-SEG-LGL-DSC-PRIN-MER	1	N	74	74
0067	15	*INV-SEG-RD-LGL-DSC-PRIN-ME REDEFINES INV-SEG-LGL-DSC-PRIN-MER $25	1	X	74	74
0069	15	INV-SEG-LGL-DSC-RANGE				
0070	20	INV-SEG-LGL-DSC-RANGEN	2	N	75	76
0071	20	INV-SEG-LGL-DSC-RANGEA	1	X	77	77

LPFDPRNT (CONTINUED)

(CONTINUED) LP-LI-EXTRACT-FILE

	LLEVL	DESCRIPTION	LGTH	TYPE	FROM	TO
0072	15	*INV-SEG-RD-LGL-DSC-RANGE	3	X	75	77
		REDEFINES				
		INV-SEG-LGL-DSC-RANGE $26				
0074	15	INV-SEG-LGL-DSC-TOWNSHIP				
0075	20	INV-SEG-LGL-DSC-TOWN-N	2	N	78	79
0076	20	INV-SEG-LGL-DSC-TOWN-A	1	X	80	80
0077	15	*INV-SEG-RD-LGL-DSC-TOWN	3	X	78	80
		REDEFINES				
		INV-SEG-LGL-DSC-TOWNSHIP $27				
0079	15	INV-SEG-LGL-DSC-SECTION	2	N	81	82
0080	15	*INV-SEG-RD-LGL-DSC-SECTION	2	X	81	82
		REDEFINES				
		INV-SEG-LGL-DSC-SECTION $28				
0082	15	INV-SEG-LGL-DSC-1ST-QTR $29	2	X	83	84
0083	15	INV-SEG-LGL-DSC-2ND-QTR $30	2	X	85	86
0084	15	INV-SEG-LGL-DSC-3RD-QTR $31	2	X	87	88
0085	15	INV-SEG-LGL-DSC-4TH-QTR $32	2	X	89	90
0086	10	INV-SEG-FACILITY-STREET $33	25	X	91	115
0087	10	INV-SEG-FACILITY-PO-BOX $34	6	X	116	121
0088	10	INV-SEG-FACILITY-CITY $35	20	X	122	141
0089	10	INV-SEG-FACILITY-STATE $36	2	X	142	143
0090	10	INV-SEG-FACILITY-ZIP $37	9	X	144	152
0091	10	INV-SEG-FACILITY-PHONE $38 (2)	6/10	C3	153	158
0092	10	INV-SEG-FACILITY-CONTACT $39	25	X	159	183
0093	10	INV-SEG-FACILITY-MAIL-IND $40	1	X	184	184
0094	10	INV-SEG-PROP-OWN-NAME $41	30	X	185	214
0095	10	INV-SEG-PROP-OWN-STREET $42	25	X	215	239
0096	10	INV-SEG-PROP-OWN-PO-BOX $43	6	X	240	245

LPFDPRNT (CONTINUED)

(CONTINUED) LP-LI-EXTRACT-FILE

	LEVL	DESCRIPTION		LGTH	TYPE	FROM	TO
0097	10	INV-SEG-PROP-OWN-CITY	$44	20	X	246	265
0098	10	INV-SEG-PROP-OWN-STATE	$45	2	X	266	267
0099	10	INV-SEG-PROP-OWN-ZIP	$46	9	X	268	276
0100	10	INV-SEG-PROP-OWN-PHONE	$47 (4)	6/10	C3	277	282
0101	10	INV-SEG-PROP-OWN-CONTACT	$48	25	X	283	307
0102	10	INV-SEG-PROP-OWN-MAIL-IND	$49	1	X	308	308
0103	10	INV-SEG-FAC-OPER-NAME	$50	30	X	309	338
0104	10	INV-SEG-FAC-OPER-STREET	$51	25	X	339	363
0105	10	INV-SEG-FAC-OPER-PO-BOX	$52	6	X	364	369
0106	10	INV-SEG-FAC-OPER-CITY	$53	20	X	370	389
0107	10	INV-SEG-FAC-OPER-STATE	$54	2	X	390	391
0108	10	INV-SEG-FAC-OPER-ZIP	$55	9	X	392	400
0109	10	INV-SEG-FAC-OPER-PHONE	$56 (5)	6/10	C3	401	406
0110	10	INV-SEG-FAC-OPER-CONTACT	$57	25	X	407	431
0111	10	INV-SEG-FAC-OPER-MAIL-IND	$3	1	X	432	432
0112	10	INV-SEG-HOME-OFF-NAME	$4	30	X	433	462
0113	10	INV-SEG-HOME-OFF-STREET	$5	25	X	463	487
0114	10	INV-SEG-HOME-OFF-PO-BOX	$6	6	X	488	493
0115	10	INV-SEG-HOME-OFF-CITY	$7	20	X	494	513
0116	10	INV-SEG-HOME-OFF-STATE	$8	2	X	514	515
0117	10	INV-SEG-HOME-OFF-ZIP	$9	9	X	516	524
0118	10	INV-SEG-HOME-OFF-PHONE	$10 (6)	6/10	C3	525	530
0119	10	INV-SEG-HOME-OFF-CONTACT	$11	25	X	531	555
0120	10	INV-SEG-HOME-OFF-MAIL-IND	$12	1	X	556	556
0121	10	INV-SEG-OTHER-NAME	$13	30	X	557	586

LPFDPRNT (CONTINUED)

ATBASE line ")2"

(CONTINUED) LP-LI-EXTRACT-FILE

	LEVL	DESCRIPTION		LGTH	TYPE	FROM	TO
0122	10	INV-SEG-OTHER-STREET	$14	25	X	587	611
0123	10	INV-SEG-OTHER-PO-BOX	$15	6	X	612	617
0124	10	INV-SEG-OTHER-CITY	$16	20	X	618	637
0125	10	INV-SEG-OTHER-STATE	$17	2	X	638	639
0126	10	INV-SEG-OTHER-ZIP	$18	9	X	640	648
0127	10	INV-SEG-OTHER-PHONE	$19	6/10	C3	649	654
0128	10	INV-SEG-OTHER-CONTACT	$20	25	X	655	679
0129	10	INV-SEG-OTHER-TITLE	$21	1	X	680	680
0130	10	INV-SEG-OTHER-MAIL-IND	$22	1	X	681	681
0131	10	INV-SEG-FIPS-CODES		11	X	682	692
0132	10	*INV-SEG-RD-FIPS-CODES REDEFINES INV-SEG-FIPS-CODES					
0133	15	INV-SEG-RD-FIPS-COUNTRY	$23	3	X	682	684
0134	15	INV-SEG-RD-FIPS-STATE	$24	2	X	685	686
0135	15	INV-SEG-RD-FIPS-COUNTY	$25	3	X	687	689
0136	15	INV-SEG-RD-FIPS-TOWNSHIP	$26	3	X	690	692
0137	10	INV-SEG-LPC-REGION	$27	1	X	693	693
0138	10	INV-SEG-DT-EFAC-LPC-INV	$28	4/ 6	C3	694	697
0139	10	INV-SEG-DT-LAST-CHANGE	$29	4/ 6	C3	698	701
0140	10	FILLER	$30	20	X	702	721
0141	05	FILLER	$31	25	X	722	746
0142	05	DEPENDENT-SEGMENT-ID		1	X	747	747
0143	05	DEPENDENT-SEGMENT		128	X	748	875
0144	05	*LANDFILL-STORAGE-SEGMENT-ID REDEFINES DEPENDENT-SEGMENT CODE = A ?					

LPFDPRNT

CODE (5)

(CONTINUED)

(CONTINUED) LP-LI-EXTRACT-FILE

	ILEVL	DESCRIPTION	LGTH	TYPE	FROM	TO
0146	10	LNDST-SEG-SEG-INDICATOR	1	X	748	748
0147	10	LNDST-SEG-TYPE-FAC-IND	1	X	749	749
0148	10	LNDST-SEG-USEPA-NO	12	X	750	761
0149	10	LNDST-SEG-WSTE-GEN-FAC	1	X	762	762
0150	10	LNDST-SEG-OFF-SITE-WSTE	1	X	763	763
0151	10	LNDST-SEG-CLOSURE-DATE	4/ 6	C3	764	767
0152	10	LNDST-SEG-IMPOUNDMENT-SIZE	2/ 3	C3	768	769
0153	10	LNDST-SEG-TOTAL-IMPOUND-VOL	4/ 7	C3	770	773
0154	10	LNDST-SEG-OPER-STATUS	1	X	774	774
0155	10	LNDST-SEG-IEPA-STATUS	1	X	775	775
0156	10	LNDST-SEG-ENF-STATUS	1	X	776	776
0157	10	LNDST-SEG-PERMIT-STATUS	1	X	777	777
0158	10	LNDST-SEG-USEPA-STATUS	1	X	778	778
0159	10	LNDST-SEG-GROUNDWTR-MONITOR	1	X	779	779
0160	10	LNDST-SEG-LEACHATE-COLLECT	1	X	780	780
0161	10	LNDST-SEG-WASTE-INDICATOR	1	X	781	781
0162	10	LNDST-SEG-RD-USEPA-HAZ-WSTE-	40	X	782	821
0163	10	*LNDST-SEG-USEPA-HAZ-WASTE-N REDEFINES LNDST-SEG-RD-USEPA-HAZ-WSTE-NU				
0165	15	LNDST-SEG-USEPA-HAZ-WASTE-N OCCURS 10 TIMES LAST OCCURS ENTRY:	4	X	782	785 821
0167	10	LNDST-SEG-DOS-PERMIT-NO				
0168	15	LNDST-SEG-DOS-PERMIT-NO-N	7	N	822	828
0169	15	LNDST-SEG-DOS-PERMIT-NO-A	3	X	829	831
0170	10	*LNDST-SEG-RD-DOS-PERMIT-NO	10	X	822	831

LPFDPRNT (CONTINUED)

(CONTINUED) LP-LI-EXTRACT-FILE

	LLVL	DESCRIPTION	LGTH	TYPE	FROM	TO
		REDEFINES				
		LNDST-SEG-DOS-PERMIT-NO				
0172	10	LNDST-SEG-NPDES-PERMIT-NO				
0173	15	LNDST-SEG-NPDES-PERMIT-NO-A	2	X	832	833
0174	15	LNDST-SEG-NPDES-PERMIT-NO-N	7	N	834	840
0175	10	*LNDST-SEG-RD-NPDES-PERMIT-N	9	X	832	840
		REDEFINES				
		LNDST-SEG-NPDES-PERMIT-NO				
0177	10	LNDST-SEG-AIR-ID-NO				
0178	15	LNDST-SEG-AIR-ID-NO-N	6	N	841	846
0179	15	LNDST-SEG-AIR-ID-NO-A	3	X	847	849
0180	10	*LNDST-SEG-RD-AIR-ID-NO	9	X	841	849
		REDEFINES				
		LNDST-SEG-AIR-ID-NO				
0182	10	LNDST-SEG-LINER-MATERIAL	1	X	850	850
0183	10	LNDST-SEG-NO-PONDS	2/ 2	C3	851	852
0184	10	LNDST-SEG-LENGTH-PONDS	2/ 3	C3	853	854
0185	10	LNDST-SEG-WIDTH-PONDS	2/ 3	C3	855	856
0186	10	LNDST-SEG-DEPTH-PONDS	2/ 3	C3	857	858
0187	10	LNDST-SEG-MAX-VOL-PONDS	5/ 8	C3	859	863
0188	10	LNDST-SEG-GEN-ON-OFF-SITE-IN	1	X	864	864
0189	10	LNDST-SEG-LONG-SHORT-TERM-IN	1	X	865	865
0190	10	FILLER	10	X	866	875
0191	05	*TRANSPORTER-SEGMENT-ID				
		REDEFINES				
		DEPENDENT-SEGMENT				
0193	10	TRNSP-SEG-CLOSURE-DATE	4/ 6	C3	748	751
0194	10	TRNSP-SEG-USEPA-NO	12	X	752	763

LPFDPRNT (CONTINUED)

(CONTINUED) LP-LI-EXTRACT-FILE

	LEVL	DESCRIPTION	LGTH	TYPE	FROM	TO
0195	10	TRNSP-SEG-SIC-CODE	3/ 4	C3	764	766
0196	10	TRNSP-SEG-HAULER-PERM-NO	4	N	767	770
0197	10	TRNSP-SEG-IL-CC-NO	10	X	771	780
0198	10	TRNSP-SEG-ICC-NO	8	X	781	788
0199	10	TRNSP-SEG-HAULER-START-DT	4/ 6	C3	789	792
0200	10	TRNSP-SEG-HAULER-EXP-DT	4/ 6	C3	793	796
0201	10	TRNSP-SEG-REASON-CODE	1	X	797	797
0202	10	TRNSP-SEG-OPER-STATUS	1	X	798	798
0203	10	TRNSP-SEG-IEPA-STATUS	1	X	799	799
0204	10	TRNSP-SEG-ENF-STATUS	1	X	800	800
0205	10	TRNSP-SEG-PERMIT-STATUS	1	X	801	801
0206	10	TRNSP-SEG-USEPA-STATUS	1	X	802	802
0207	10	TRNSP-SEG-TOTAL-VEHICLES	3/ 4	C3	803	805
0208	10	TRNSP-SEG-IEPA-NUMBER	10	X	806	815
0209	10	FILLER	10	X	816	825
0210	05	*GENERATOR-SEGMENT-ID REDEFINES DEPENDENT-SEGMENT				
0212	10	GEN-SEG-GENERATOR-NO	6/10	C3	748	753
0213	10	GEN-SEG-CLOSURE-DATE	4/ 6	C3	754	757
0214	10	GEN-SEG-USEPA-NO	12	X	758	769
0215	10	GEN-SEG-SIC-CODE OCCURS 5 TIMES LAST OCCURS ENTRY:	3/ 4	C3	770	772 784
0217	10	GEN-SEG-DOS-PERMIT-NO				
0218	15	GEN-SEG-DOS-PERM-NO-N	7	N	785	791
0219	15	GEN-SEG-DOS-PERM-NO-A	3	X	792	794

LPFDPRNT (CONTINUED)

(CONTINUED) LP-LI-EXTRACT-FILE

	LEVL	DESCRIPTION	LGTH	TYPE	FROM	TO
0220	10	*GEN-SEG-RD-DOS-PERMIT-NO	10	X	785	794
		REDEFINES				
		GEN-SEG-DOS-PERMIT-NO				
0222	10	GEN-SEG-NPDES-PERMIT-NO				
0223	15	GEN-SEG-NPDES-PERM-NO-A	2	X	795	796
0224	15	GEN-SEG-NPDES-PERM-NO-N	7	N	797	803
0225	10	*GEN-SEG-RD-NPDES-PERMIT-NO	9	X	795	803
		REDEFINES				
		GEN-SEG-NPDES-PERMIT-NO				
0227	10	GEN-SEG-AIR-ID-NO				
0228	15	GEN-SEG-AIR-ID-NO-N	6	N	804	809
0229	15	GEN-SEG-AIR-ID-NO-A	3	X	810	812
0230	10	*GEN-SEG-RD-AID-ID-NO	9	X	804	812
		REDEFINES				
		GEN-SEG-AIR-ID-NO				
0232	10	GEN-SEG-OPER-STATUS	1	X	813	813
0233	10	GEN-SEG-IEPA-STATUS	1	X	814	814
0234	10	GEN-SEG-ENF-STATUS	1	X	815	815
0235	10	GEN-SEG-PERMIT-STATUS	1	X	816	816
0236	10	GEN-SEG-USEPA-STATUS	1	X	817	817
0237	10	FILLER	10	X	818	827
0238	05	*LANDFILL-SEGMENT-ID				
		REDEFINES				
		DEPENDENT-SEGMENT				
0240	10	LNDF-SEG-WASTE-GEN-FAC	1	X	748	748
0241	10	LNDF-SEG-OFF-SITE-WST	1	X	749	749
0242	10	LNDF-SEG-CLOSURE-DATE	4/ 6	C3	750	753
0243	10	LNDF-SEG-USEPA-NO	12	X	754	765
0244	10	LNDF-SEG-PERMITTED-SIZE	3/ 4	C3	766	768

LPFDPRNT (CONTINUED)

(CONTINUED) LP-LI-EXTRACT-FILE

	LLEVL	DESCRIPTION	LGTH	TYPE	FROM	TO
0245	10	LNDF-SEG-FILL-SIZE	3/ 4	C3	769	771
0246	10	LNDF-SEG-OPER-STATUS	1	X	772	772
0247	10	LNDF-SEG-IEPA-STATUS	1	X	773	773
0248	10	LNDF-SEG-ENF-STATUS	1	X	774	774
0249	10	LNDF-SEG-PERMIT-STATUS	1	X	775	775
0250	10	LNDF-SEG-USEPA-STATUS	1	X	776	776
0251	10	LNDF-SEG-GROUNDWTR-MONITOR	1	X	777	777
0252	10	LNDF-SEG-LEACHATE-COLLECT	1	X	778	778
0253	10	LNDF-SEG-DOS-PERMIT-NO				
0254	15	LNDF-SEG-DOS-PERMIT-NO-N	7	N	779	785
0255	15	LNDF-SEG-DOS-PERMIT-NO-A	3	X	786	788
0256	10	*LNDF-SEG-RD-DOS-PERMIT-NO REDEFINES LNDF-SEG-DOS-PERMIT-NO	10	X	779	788
0258	10	LNDF-SEG-NPDES-PERMIT-NO				
0259	15	LNDF-SEG-NPDES-PERMIT-NO-A	2	X	789	790
0260	15	LNDF-SEG-NPDES-PERMIT-NO-N	7	N	791	797
0261	10	*LNDF-SEG-RD-NPDES-PERMIT-NO REDEFINES LNDF-SEG-NPDES-PERMIT-NO	9	X	789	797
0263	10	LNDF-SEG-AIR-ID-NO				
0264	15	LNDF-SEG-AIR-ID-NO-N	6	N	798	803
0265	15	LNDF-SEG-AIR-ID-NO-A	3	X	804	806
0266	10	*LNDF-SEG-RD-AIR-ID-NO REDEFINES LNDF-SEG-AIR-ID-NO	9	X	798	806
0268	10	LNDF-SEG-UNIT-MEASURE-REPORT	1	X	807	807
0269	10	LNDF-SEG-LINER-MATERIAL	1	X	808	808

LPFDPRNT (CONTINUED)

(CONTINUED) LP-LI-EXTRACT-FILE

	LEVL	DESCRIPTION	LGTH	TYPE	FROM	TO
0270	10	LNDF-SEG-HOURS-OPER-START	3/ 4	C3	809	811
0271	10	LNDF-SEG-HOURS-OPER-STOP	3/ 4	C3	812	814
0272	10	LNDF-SEG-DT-FIRST-PERMIT	4/ 6	C3	815	818
0273	10	LNDF-SEG-DT-EXPIRE	4/ 6	C3	819	822
0274	10	LNDF-SEG-PERM-WASTE-DEMO	1	X	823	823
0275	10	LNDF-SEG-PERM-WASTE-GEN-REFU	1	X	824	824
0276	10	LNDF-SEG-PERM-WASTE-SPEC-WST	1	X	825	825
0277	10	LNDF-SEG-PERM-WASTE-HAZ-WSTE	1	X	826	826
0278	10	LNDF-SEG-PERM-WASTE-UNCLASS	1	X	827	827
0279	10	LNDF-SEG-NOT-PERM-DEMO	1	X	828	828
0280	10	LNDF-SEG-NOT-PERM-GEN-REFUSE	1	X	829	829
0281	10	LNDF-SEG-NOT-PERM-SPEC-WSTE	1	X	830	830
0282	10	LNDF-SEG-NOT-PERM-HAZ-WSTE	1	X	831	831
0283	10	LNDF-SEG-NOT-PERM-UNCLASS	1	X	832	832
0284	10	FILLER	10	X	833	842
0285	05	*TREATMENT-SEGMENT-IO REDEFINES DEPENDENT-SEGMENT				
0287	10	TRTMT-SEG-CLOSURE-DATE	4/ 6	C3	748	751
0288	10	TRTMT-SEG-USEPA-NO	12	X	752	763
0289	10	TRTMT-SEG-SIC-CODE OCCURS 5 TIMES LAST OCCURS ENTRY:	3/ 4	C3	764 778	766 778
0291	10	TRTMT-SEG-RD-FED-HANDLING-CO	45	X	779	823
0292	10	*TRTMT-SEG-FED-HANDLING-CODE REDEFINES TRTMT-SEG-RD-FED-HANDLING-CODE				
0294	15	TRTMT-SEG-FED-HANDLING-CODE	3	X	779	781

LPFDPRNT (CONTINUED)

(CONTINUED) LP-LI-EXTRACT-FILE

	LEVL	DESCRIPTION	LGTH	TYPE	FROM	TO
		OCCURS 15 TIMES				
		LAST OCCURS ENTRY: 12-26				823
0296	10	TRTMT-SEG-DOS-PERMIT-NO				
0297	15	TRTMT-SEG-DOS-PERMIT-NO-N	7	N	824	830
0298	15	TRTMT-SEG-DOS-PERMIT-NO-A	3	X	831	833
0299	10	*TRTMT-SEG-RD-DOS-PERMIT-NO	10	X	824	833
		REDEFINES				
		TRTMT-SEG-DOS-PERMIT-NO				
0301	10	TRTMT-SEG-NPDES-PERMIT-NO				
0302	15	TRTMT-SEG-NPDES-PERMIT-NO-A	2	X	834	835
0303	15	TRTMT-SEG-NPDES-PERMIT-NO-N	7	N	836	842
0304	10	*TRTMT-SEG-RD-NPDES-PERMIT-N	9	X	834	842
		REDEFINES				
		TRTMT-SEG-NPDES-PERMIT-NO				
0306	10	TRTMT-SEG-AIR-ID-NO				
0307	15	TRTMT-SEG-AIR-ID-NO-N	6	N	843	848
0308	15	TRTMT-SEG-AIR-ID-NO-A	3	X	849	851
0309	10	*TRTMT-SEG-RD-AIR-ID-NO	9	X	843	851
		REDEFINES				
		TRTMT-SEG-AIR-ID-NO				
0311	10	TRTMT-SEG-OPER-STATUS	1	X	852	852
0312	10	TRTMT-SEG-IEPA-STATUS	1	X	853	853
0313	10	TRTMT-SEG-ENF-STATUS	1	X	854	854
0314	10	TRTMT-SEG-PERMIT-STATUS	1	X	855	855
0315	10	TRTMT-SEG-USEPA-STATUS	1	X	856	856
0316	10	FILLER	10	X	857	866
0317	05	*LAND-APPLICATION-SEGMENT-ID (6)				
		REDEFINES				
		DEPENDENT-SEGMENT CODES				

LPFDPRNT (CONTINUED)

(CONTINUED) LP-LI-EXTRACT-FILE

	LEVL	DESCRIPTION	LGTH	TYPE	FROM	TO
0319	10	APP-SEG-SEG-INDICATOR	1	X	748	748
0320	10	APP-SEG-WSTE-GEN-FACILITY	1	X	749	749
0321	10	APP-SEG-OFF-SITE-WSTE	1	X	750	750
0322	10	APP-SEG-CLOSURE-DATE	4/ 6	C3	751	754
0323	10	APP-SEG-USEPA-NO	12	X	755	766
0324	10	APP-SEG-LAND-APP-SIZE	3/ 4	C3	767	769
0325	10	APP-SEG-OPER-STATUS	1	X	770	770
0326	10	APP-SEG-IEPA-STATUS	1	X	771	771
0327	10	APP-SEG-ENF-STATUS	1	X	772	772
0328	10	APP-SEG-PERMIT-STATUS	1	X	773	773
0329	10	APP-SEG-USEPA-STATUS	1	X	774	774
0330	10	APP-SEG-GROUNDWTR-MONITOR	1	X	775	775
0331	10	APP-SEG-LEACHATE-COLLECT	1	X	776	776
0332	10	APP-SEG-DOS-PERMIT-NO				
0333	15	APP-SEG-DOS-PERMIT-NO-N	7	N	777	783
0334	15	APP-SEG-DOS-PERMIT-NO-A	3	X	784	786
0335	10	*APP-SEG-RD-DOS-PERMIT-NO	10	X	777	786
		REDEFINES				
		APP-SEG-DOS-PERMIT-NO				
0337	10	APP-SEG-WASTE-INDICATOR	1	X	787	787
0338	10	APP-SEG-RD-USEPA-HAZ-WASTE-N	40	X	788	827
0339	10	*APP-SEG-USEPA-HAZ-WASTE-NOS				
		REDEFINES				
		APP-SEG-RD-USEPA-HAZ-WASTE-NO				
0341	15	APP-SEG-USEPA-HAZ-WASTE-NO	4	X	788	791
		OCCURS 10 TIMES				
		LAST OCCURS ENTRY:				827
0343	10	APP-SEG-FOOD-CHAIN	1	X	828	828

LPFDPRNT (CONTINUED)

(CONTINUED) LP-LI-EXTRACT-FILE

	LEVL	DESCRIPTION	LGTH	TYPE	FROM	TO
0344	10	FILLER	10	X	829	838
0345	05	*UNDRGRND-INJCT-WELL-SEGMENT-REDEFINES DEPENDENT-SEGMENT				
0347	10	INJCT-SEG-SEGMENT-INDICATOR	1	X	748	748
0348	10	INJCT-SEG-USEPA-NO	12	X	749	760
0349	10	INJCT-SEG-WSTE-GEN-FAC	1	X	761	761
0350	10	INJCT-SEG-OFF-SITE-WSTE	1	X	762	762
0351	10	INJCT-SEG-DEPTH-WELL	3/ 4	C3	763	765
0352	10	INJCT-SEG-MAX-INJECT-PRESSUR	3/ 4	C3	766	768
0353	10	INJCT-SEG-OPER-STATUS	1	X	769	769
0354	10	INJCT-SEG-IEPA-STATUS	1	X	770	770
0355	10	INJCT-SEG-ENF-STATUS	1	X	771	771
0356	10	INJCT-SEG-PERMIT-STATUS	1	X	772	772
0357	10	INJCT-SEG-USEPA-STATUS	1	X	773	773
0358	10	INJCT-SEG-GROUNDWTR-MONITOR	1	X	774	774
0359	10	INJCT-SEG-LEACHATE-COLLECT	1	X	775	775
0360	10	INJCT-SEG-WELL-CLASS	1	X	776	776
0361	10	INJCT-SEG-WASTE-INDICATOR	1	X	777	777
0362	10	INJCT-SEG-RD-USEPA-HAZ-WSTE-	40	X	778	817
0363	10	*INJCT-SEG-USEPA-HAZ-WASTE-N REDEFINES INJCT-SEG-RD-USEPA-HAZ-WSTE-NO				
0365	15	INJECT-SEG-USEPA-HAZ-WASTE- OCCURS 10 TIMES LAST OCCURS ENTRY:	4	X	778	781 / 817
0367	10	INJCT-SEG-DUS-PERMIT-NO				
0368	15	INJCT-SEG-DUS-PERMIT-NU-N	7	N	818	824

LPFDPRNT (CONTINUED)

(CONTINUED) LP-LI-EXTRACT-FILE

	LLEVL	DESCRIPTION	LGTH	TYPE	FROM	TO
0369	15	INJCT-SEG-DOS-PERMIT-NO-A	3	X	825	827
0370	10	*INJCT-SEG-RD-DOS-PERMIT-NO	10	X	818	827
		REDEFINES				
		INJCT-SEG-DOS-PERMIT-NO				
0372	10	FILLER	10	X	828	837
0373	05	*BARREL-AREA-SEGMENT-ID				
		REDEFINES				
		DEPENDENT-SEGMENT				
0375	10	BARL-SEG-SEGMENT-INDICATOR	1	X	748	748
0376	10	BARL-SEG-USEPA-NO	12	X	749	760
0377	10	BARL-SEG-MAX-NO-BARRELS	3/ 4	C3	761	763
0378	10	BARL-SEG-TOTAL-VOLUME	4/ 6	C3	764	767
0379	10	BARL-SEG-GEN-ON-OFF-SITE-IND	1	X	768	768
0380	10	BARL-SEG-LONG-SHORT-TERM-IND	1	X	769	769
0381	10	BARL-SEG-WASTE-INDICATOR	1	X	770	770
0382	10	BARL-SEG-RD-USEPA-HAZ-WASTE-	40	X	771	810
0383	10	*BARL-SEG-USEPA-HAZ-WASTE-NO				
		REDEFINES				
		BARL-SEG-RD-USEPA-HAZ-WASTE-NO				
0385	15	BARL-SEG-USEPA-HAZ-WASTE-NO	4	X	771	774
		OCCURS 10 TIMES				
		LAST OCCURS ENTRY:				810
0387	10	BARL-SEG-DOS-PERMIT-NO				
0388	15	BARL-SEG-DOS-PERMIT-NO-N	7	N	811	817
0389	15	BARL-SEG-DOS-PERMIT-NO-A	3	X	818	820
0390	10	*BARL-SEG-RD-DOS-PERMIT-NO	10	X	811	820
		REDEFINES				
		BARL-SEG-DOS-PERMIT-NO				
0392	10	BARL-SEG-AIR-ID-NO				
0393	15	BARL-SEG-AIR-ID-NO-N	6	N	821	826

LPFDPRNT (CONTINUED)

(CONTINUED) LP-LI-EXTRACT-FILE

	LEVL	DESCRIPTION		LGTH	TYPE	FROM	TO
0394	15	BARL-SEG-AIR-ID-NO-A		3	X	827	829
0395	10	*BARL-SEG-RD-AIR-ID-NO		9	X	821	829
		REDEFINES	22				
		BARL-SEG-AIR-ID-NO					
0397	10	BARL-SEG-OPER-STATUS	23	1	X	830	830
0398	10	BARL-SEG-IEPA-STATUS	24	1	X	831	831
0399	10	BARL-SEG-ENF-STATUS	25	1	X	832	832
0400	10	BARL-SEG-PERMIT-STATUS	26	1	X	833	833
0401	10	BARL-SEG-USEPA-STATUS	27	1	X	834	834
0402	10	BARL-SEG-GROUNDWTR-MONITOR	28	1	X	835	835
0403	10	BARL-SEG-CLOSURE-DATE	29 (28)	4/ 6	C3	836	839
0404	10	FILLER		10	X	840	849
0405	05	*TANK-AREA-SEGMENT-ID					
		REDEFINES					
		DEPENDENT-SEGMENT	CODES (N)				
0407	10	TANK-SEG-SEGMENT-INDICATOR	4	1	X	748	748
0408	10	TANK-SEG-USEPA-NO	5	12	X	749	760
0409	10	TANK-SEG-PERMITTED-NO-TANKS	6	3	N	761	763
0410	10	TANK-SEG-TOTAL-VOLUME	7	4/ 6	C3	764	767
0411	10	TANK-SEG-GEN-ON-OFF-SITE-IND	8	1	X	768	768
0412	10	TANK-SEG-LONG-SHORT-TERM-IND	9	1	X	769	769
0413	10	TANK-SEG-WASTE-INDICATOR	10	1	X	770	770
0414	10	TANK-SEG-RD-USEPA-HAZ-WASTE-		40	X	771	810
0415	10	*TANK-SEG-USEPA-HAZ-WASTE-NO					
		REDEFINES					
		TANK-SEG-RD-USEPA-HAZ-WASTE-NO					
0417	15	TANK-SEG-USEPA-HAZ-WASTE-NO		4	X	771	774
		OCCURS 10 TIMES					
		LAST OCCURS ENTRY:	11-20				810

LPFDPRNT (CONTINUED

(CONTINUED) LP-LI-EXTRACT-FILE

	LEVL	DESCRIPTION	LGTH	TYPE	FROM	TO
0419	10	TANK-SEG-DOS-PERMIT-NO				
0420	15	TANK-SEG-DOS-PERMIT-NO-N	7	N	811	817
0421	15	TANK-SEG-DOS-PERMIT-NO-A	3	X	818	820
0422	10	*TANK-SEG-RD-DOS-PERMIT-NO REDEFINES TANK-SEG-DOS-PERMIT-NO 21	10	X	811	820
0424	10	TANK-SEG-AIR-ID-NO				
0425	15	TANK-SEG-AIR-ID-NO-N	6	N	821	826
0426	15	TANK-SEG-AIR-ID-NO-A	3	X	827	829
0427	10	*TANK-SEG-RD-AIR-ID-NO REDEFINES 22 TANK-SEG-ATR-ID-NO	9	X	821	829
0429	10	TANK-SEG-OPER-STATUS 23	1	X	830	830
0430	10	TANK-SEG-IEPA-STATUS 24	1	X	831	831
0431	10	TANK-SEG-ENF-STATUS 25	1	X	832	832
0432	10	TANK-SEG-PERMIT-STATUS 26	1	X	833	833
0433	10	TANK-SEG-USEPA-STATUS 27	1	X	834	834
0434	10	TANK-SEG-GROUNDWTR-MONITOR 28	1	X	835	835
0435	10	TANK-SEG-CLOSURE-DATE (29	4/ 6	C3	836	839
0436	10	FILLER	10	X	840	849
0437	05	*RECYCLE-RECLAIM-SEGMENT-ID (A) REDEFINES DEPENDENT-SEGMENT CODE K				
0439	10	RECYCLE-SEG-CLOSURE-DATE (1 4	4/ 6	C3	748	751
0440	10	RECYCLE-SEG-USEPA-NO 5	12	X	752	763
0441	10	RECYCLE-SEG-PROCESS-METHOD 6	1	X	764	764
0442	10	RECYCLE-SEG-SIC-CODE (2 OCCURS 5 TIMES LAST OCCURS ENTRY: 7-11	3/ 4	C3	765	767 779

LPFDPRNT (CONTINUED)

(CONTINUED) LP-LI-EXTRACT-FILE

	ILEVL	DESCRIPTION	LGTH	TYPE	FROM	TO
0444	10	RECYCLE-SEG-DOS-PERMIT-NO				
0445	15	RECYCLE-SEG-DOS-PERMIT-NO-N	7	N	780	786
0446	15	RECYCLE-SEG-DOS-PERMIT-NO-A	3	X	787	789
0447	10	*RECYCLE-SEG-RD-DOS-PERMIT-N REDEFINES RECYCLE-SEG-DOS-PERMIT-NO 12	10	X	780	789
0449	10	RECYCLE-SEG-NPDES-PERMIT-NO				
0450	15	RECYCLE-SEG-NPDES-PRMT-NO-A	2	X	790	791
0451	15	RECYCLE-SEG-NPDES-PRMT-NO-N	7	N	792	798
0452	10	*RECYCLE-SEG-RD-NPDES-PERMIT REDEFINES RECYCLE-SEG-NPDES-PERMIT-NO 13	9	X	790	798
0454	10	RECYCLE-SEG-AIR-ID-NO				
0455	15	RECYCLE-SEG-AIR-ID-NO-N	6	N	799	804
0456	15	RECYCLE-SEG-AIR-ID-NO-A	3	X	805	807
0457	10	*RECYCLE-SEG-RD-AIR-ID-NO REDEFINES 14 RECYCLE-SEG-AIR-ID-NO	9	X	799	807
0459	10	RECYCLE-SEG-OPER-STATUS	1	X	808	808
0460	10	RECYCLE-SEG-IEPA-STATUS	1	X	809	809
0461	10	RECYCLE-SEG-ENF-STATUS	1	X	810	810
0462	10	RECYCLE-SEG-PERMIT-STATUS	1	X	811	811
0463	10	RECYCLE-SEG-USEPA-STATUS	1	X	812	812
0464	10	FILLER	10	X	813	822
0465	05	*ILLEGAL-DUMP-SEGMENT-ID REDEFINES DEPENDENT-SEGMENT (CODE-B)				
0467	10	ILLGL-SEG-USEPA-NO	12	X	748	759
0468	10	ILLGL-SEG-TYPE-ILLEGAL-DUMP	1	X	760	760

LPFDPRNT (CONTINUED)

(CONTINUED) LP-LI-EXTRACT-FILE

	LEVL	DESCRIPTION		LGTH	TYPE	FROM	TO
0469	10	ILLGL-SEG-TYPE-WASTE-DUMP		1	X	761	761
0470	10	ILLGL-SEG-RD-USEPA-HAZ-WSTE-		20	X	762	781
0471	10	*ILLGL-SEG-USEPA-HAZ-WASTE-N REDEFINES ILLGL-SEG-RD-USEPA-HAZ-WSTE-NO					
0473	15	ILLGL-SEG-USEPA-HAZ-WASTE-N OCCURS 5 TIMES LAST OCCURS ENTRY:		4	X	762 781	765
0475	10	ILLGL-SEG-EST-QTY-WSTE-DUMPE	1	5/ 8	C3	782	786
0476	10	ILLGL-SEG-UNIT-MEASURE		1	X	787	787
0477	10	ILLGL-SEG-DATE-DUMP-DISCOVER		4/ 6	C3	788	791
0478	10	ILLGL-SEG-DATE-DUMP-CLEANED	2	4/ 6	C3	792	795
0479	10	ILLGL-SEG-WHERE-WASTE-SENT		6/10	C3	796	801
0480	10	ILLGL-SEG-STATUS-DUMP-CLEANI		1	X	802	802
0481	10	FILLER		10	X	803	812
0482	05	*WASTE-PILE-SEGMENT-ID REDEFINES DEPENDENT-SEGMENT CODE W/ C					
0484	10	WPILE-SEG-SEGMENT-INDICATOR	4	1	X	748	748
0485	10	WPILE-SEG-USEPA-NO	5	12	X	749	760
0486	10	WPILE-SEG-NO-PILES	6	2/ 2	C3	761	762
0487	10	WPILE-SEG-LENGTH-PILES	7	2/ 3	C3	763	764
0488	10	WPILE-SEG-WIDTH-PILES	8	2/ 3	C3	765	766
0489	10	WPILE-SEG-HEIGHT-PILES	9	2/ 3	C3	767	768
0490	10	WPILE-SEG-TOTAL-VOL-PILE	10	4/ 6	C3	769	772
0491	10	WPILE-SEG-GEN-ON-OFF-SITE-IN	11	1	X	773	773
0492	10	WPILE-SEG-LONG-SHORT-TERM-IN	12	1	X	774	774
0493	10	WPILE-SEG-LINER-MATERIAL	13	1	X	775	775

LPFDPRNT (CONTINUED)

(CONTINUED) LP-LI-EXTRACT-FILE

	LEVL	DESCRIPTION	LGTH	TYPE	FROM	TO
0494	10	WPILE-SEG-WASTE-INDICATOR (4	1	X	776	776
0495	10	WPILE-SEG-RD-USEPA-HAZ-WSTE-	40	X	777	816
0496	10	*WPILE-SEG-USEPA-HAZ-WASTE-N				
		REDEFINES,				
		WPILE-SEG-RD-USEPA-HAZ-WSTE-NO				
0498	15	WPILE-SEG-USEPA-HAZ-WASTE-N	4	X	777	780
		OCCURS 10 TIMES 15-24				
		LAST OCCURS ENTRY:			-	816
0500	10	WPILE-SEG-DOS-PERMIT-NO				
0501	15	WPILE-SEG-DOS-PERMIT-NO-N	7	N	817	823
0502	15	WPILE-SEG-DOS-PERMIT-NO-A	3	X	824	826
0503	10	*WPILE-SEG-RD-DOS-PERMIT-NO	10	X	817	826
		REDEFINES 25				
		WPILE-SEG-DOS-PERMIT-NO				
0505	10	WPILE-SEG-AIR-ID-NO				
0506	15	WPILE-SEG-AIR-ID-NO-N	6	N	827	832
0507	15	WPILE-SEG-AIR-ID-NO-A	3	X	833	835
0508	10	*WPILE-SEG-RD-AIR-ID-NO	9	X	827	835
		REDEFINES				
		WPILE-SEG-AIR-ID-NO 26				
0510	10	WPILE-SEG-OPER-STATUS 27	1	X	836	836
0511	10	WPILE-SEG-IEPA-STATUS 28	1	X	837	837
0512	10	WPILE-SEG-ENF-STATUS 29	1	X	838	838
0513	10	WPILE-SEG-PERMIT-STATUS 30	1	X	839	839
0514	10	WPILE-SEG-USEPA-STATUS 31	1	X	840	840
0515	10	WPILE-SEG-GROUNDWTR-MONITOR 32	1	X	841	841
0516	10	WPILE-SEG-CLOSURE-DATE (33	4/6	C3	842	845
0517	10	FILLER	10	X	846	855
0518	05	*TRANSFER-SEGMENT-ID				

LPFDPRNT (CONTINUED)

(CONTINUED) LP-LI-EXTRACT-FILE

	LEVL	DESCRIPTION		LGTH	TYPE	FROM	TO
		REDEFINES DEPENDENT-SEGMENT	CODE N (V)				
0520	10	TRNSF-SEG-SEGMENT-INDICATOR	4	1	X	748	748
0521	10	TRNSF-SEG-USEPA-NO	5	12	X	749	760
0522	10	TRNSF-SEG-TOTAL-DAILY-VOL	(6)	3/ 5	C3	761	763
0523	10	TRNSF-SEG-WASTE-INDICATOR	7	1	X	764	764
0524	10	TRNSF-SEG-SOLID-WSTE-INDICAT	8	1	X	765	765
0525	10	TRNSF-SEG-RD-USEPA-HAZ-WSTE-		40	X	766	805
0526	10	*TRNSF-SEG-USEPA-HAZ-WASTE-N REDEFINES TRNSF-SEG-RD-USEPA-HAZ-WSTE-NO					
0528	15	TRNSF-SEG-USEPA-HAZ-WASTE-N OCCURS 10 TIMES LAST OCCURS ENTRY:	9-10	4	X	766	769
0530	10	TRNSF-SEG-DOS-PERMIT-NO					
0531	15	TRNSF-SEG-DOS-PERMIT-NO-N		7	N	806	812
0532	15	TRNSF-SEG-DOS-PERMIT-NO-A		3	X	813	815
0533	10	*TRNSF-SEG-RD-DOS-PERMIT-NO REDEFINES TRNSF-SEG-DOS-PERMIT-NO	19	10	X	806	815
0535	10	TRNSF-SEG-NPDES-PERMIT-NO					
0536	15	TRNSF-SEG-NPDES-PERMIT-NO-A		2	X	816	817
0537	15	TRNSF-SEG-NPDES-PERMIT-NO-N		7	N	818	824
0538	10	*TRNSF-SEG-RD-NPDES-PERMIT-N REDEFINES TRNSF-SEG-NPDES-PERMIT-NO	20	9	X	816	824
0540	10	TRNSF-SEG-AIR-ID-NO					
0541	15	TRNSF-SEG-AIR-ID-NO-N		6	N	825	830
0542	15	TRNSF-SEG-AIR-ID-NO-A		3	X	831	833

LPFDPRNT (CONTINUED

(CONTINUED) LP-LI-EXTRACT-FILE

	LEVL	DESCRIPTION		LGTH	TYPE	FROM	TO
0543	10	*TRNSF-SEG-RD-AIR-ID-NO		9	X	825	833
		REDEFINES	21				
		TRNSF-SEG-AIR-ID-NO					
0545	10	TRNSF-SEG-SANITRY-DSTRCT-NEED	22	1	X	834	834
0546	10	TRNSF-SEG-SANITRY-DSTRCT-OBTA	23	1	X	835	835
0547	10	TRNSF-SEG-OPER-STATUS	24	1	X	836	836
0548	10	TRNSF-SEG-IEPA-STATUS	25	1	X	837	837
0549	10	TRNSF-SEG-ENF-STATUS	26	1	X	838	838
0550	10	TRNSF-SEG-PERMIT-STATUS	27	1	X	839	839
0551	10	TRNSF-SEG-USEPA-STATUS	28	1	X	840	840
0552	10	TRNSF-SEG-CLOSURE-DATE	(29)	4/ 6	C3	841	844
0553	10	FILLER		10	X	845	854
0554	05	FILLER		65	X	876	940

LPFDPRNT

7

MID-35

DEPARTMENT OF FINANCE
MANAGEMENT INFORMATION DIVISION
FILE DEFINITION

PROJECT NO	
PAGE	OF
1	9

DEPARTMENT	SYSTEM NAME	FILE NAME
Land Pollution Control	Disposal Site Inventory	OLD Inventory Master

FILE MEDIA	UNIT REQUIREMENTS NUMBER	UNIT REQUIREMENTS TYPE	RECORD SIZE Length	RECORD SIZE TYPE	BLOCK SIZE RECORDS	BLOCK SIZE LENGTH	TOTAL RECORDS	FILE LABEL
tape			749	F	8	5992		

FILE ACCESS METHOD	TYPE(S) OF INQUIRY	RETENTION CYCLE

PROGRAMS USING THIS FILE	U/D	FILE SEQUENCE LEVELS	KEY DATA ELEMENTS	Element #
		MAJOR ↓ MINOR	Site Code Number	2

RECORD DESCRIPTION

Element #	ELEMENT NAME	Rel. Pos.	Bytes	PICTURE	Usage
	Region Code	1	1	9	
	Site Code Number, Fips County Code	2	3	9(3)	
	Site Code Number, Inc. Mun or TWSP Code	5	3	9(3)	
	Site Code Number, Reg. No.	8	2	9(2)	
	Legal Description,Qtr/Half (1)	10	2	X(2)	
	Legal Description, Qtr/Half (2)	12	2	X(2)	
	Legal Description, Section	14	2	9(2)	
	Legal Description, Township	16	3	X(3)	
	Legal Description, Range	19	3	X(3)	
	Legal Description, Principal Meridian	22	1	9	
	Legal Description, Metes and Bounds	23	1	X	
	Permit Number	24	5	9(5)	
	Permit Type	29	2	X(2)	

PREPARED BY	DATE	REVIEWED BY	DATE	APPROVED BY	DATE

FILE DEFINITION

Department	System Name	File Name
Land Pollution Control	Disposal Site Inventory	Inventory Master

Record Description

Element #	Element Name	Rel. Pos.	Bytes	Picture	Use
	Site Operation	31	1	9	
	Site Ownership	32	1	9	
	P.C.B. Order Number	33	6	9(6)	
	Date P.C.B. Order Expires (Mo., Day, Yr.)	39	6	9(6)	
	Filler (P.C.B. [Variance] Orders)	45	200	X(200)	
	LPCFC010 Date (Month, Day, Year)	245	6	9(6)	
	Owner File Heading (Owner's Company Name)	251	20	X(20)	
	Owner's Name	271	19	X(19)	
	Owner's Street Address or P.O. Box	290	16	X(16)	
	Owner's Community	306	14	X(14)	
	Owner's State	320	2	X(2)	
	Owner's Zip Code	322	5	X(5)	
	LPCFC020 Date (Month, Day, Year)	327	6	9(6)	
	Operator File Heading (Operator's Co.Name)	333	20	X(20)	
	Operator's Name	353	19	X(19)	
	Operator's Street Address or P.O. Box	372	16	X(16)	
	Operator's Community	388	14	X(14)	
	Operator's State	402	2	X(2)	
	Operator's Zip Code	404	5	X(5)	
	Operation Status Code	409	1	X	
	Legal Status Code	410	1	X	
	General Physical Character of Site Code	411	1	9	

FILE DEFINITION

Department	System Name	File Name
Land Pollution Control	Disposal Site Inventory	Inventory Master

Record Description

Element #	Element Name	Rel. Pos.	Bytes	Picture	Use
	Year Operation Started	412	2	9(2)	
	Anticipated Remaining Life	414	3	9(3)	
	Total Area	417	4	9(4)	
	Area to Be Used for Disposal	421	4	9(4)	
	Loads Per Day-Public Vehicles	425	3	9(3)	
	Loads Per Day-Private Vehicles	428	3	9(3)	
	Filler	431	3	X(3)	
	Refuse Last Year, Quantity	434	8	9(8)	
	Refuse Last Year, Unit	442	1	X	
	Refuse Last Year, Means	443	1	X	
	Zoning at Site Code	444	1	9	
	Landing Use Surrounding	445	1	9	
	Plans for Site When Legally Closed Code	446	1	9	
	Public Control of Site After Closed	447	1	X	
	Estimated Annual Cost	448	7	9(7)	
	Filler	455	2	X(2)	
	Type of Refuse, General Solid Waste-Accpt	457	1	X	
	Type of Refuse, General Solid Waste-Permt	458	1	X	
	, Construction or Demon.-Accptd	459	1	X	
	, Construction or Demon.-Permitted	460	1	X	
	, Dewater Sludge-Accepted	461	1	X	
	, Dewater Sludge-Permitted	462	1	X	

FILE DEFINITION

Department	System Name	File Name
Land Pollution Control	Disposal Site Inventory	Inventory Master

Record Description

Element #	Element Name	Rel. Pos.	Bytes	Picture	Use
	Type of Refuse, Other-Accepted	463	1	X	
	Type of Refuse, Other-Permitted	464	1	X	
	Special Wastes, Hazardous Liquids-Accptd	465	1	X	
	Special Wastes, Hazardous Liquids-Permitted	466	1	X	
	Special Wastes, Special Liquids-Accepted	467	1	X	
	Special Wastes, Special Liquids-Permitted	468	1	X	
	Special Wastes, Liquid Sludge-Accepted	469	1	X	
	Special Wastes, Liquid Sludge-Permitted	470	1	X	
	Special Wastes, Hazardous Solids-Accepted	471	1	X	
	Special Wastes, Hazardous Solids-Permitted	472	1	X	
	Special Wastes, Animal Waste-Accepted	473	1	X	
	Special Wastes, Animal Waste-Permitted	474	1	X	
	Special Wastes, Pathological Waste-Accptd	475	1	X	
	Special Wastes, Pathological Waste-Permttd	476	1	X	
	Special Wastes, Incinerator Ash-Accepted	477	1	X	
	Special Wastes, Incinerator Ash-Permitted	478	1	X	
	Special Wastes, Explosives-Accepted	479	1	X	
	Special Wastes, Explosives-Permitted	480	1	X	
	Special Wastes, Radioactive Waste-Accepted	481	1	X	
	Special Wastes, Radioactive Waste-Permitted	482	1	X	
	Special Operations, Open Burning-Accepted	483	1	X	
	Special Operations, Open Burning-Permitted	484	1	X	

Department	System Name	File Name
Land Pollution Control	Disposal Site Inventory	Inventory Master

Record Description

Element #	Element Name	Rel. Pos.	Bytes	Picture	Use
	Special Operations, Air Curtain Destruction-Accepted	485	1	X	
	Special Operations, Air Curtain Destruction-Permitted	486	1	X	
	Special Operation, Incinerator-Accepted	487	1	X	
	Special Operations, Incinerator-Permitted	488	1	X	
	Special Operations, Salvaging-Accepted	489	1	X	
	Special Operations, Salvaging-Permitted	490	1	X	
	Special Operations, Composting-Accepted	491	1	X	
	Special Operations, Composting-Permitted	492	1	X	
	Special Operations, Other Recycling-Accptd	493	1	X	
	Special Operations, Other Recycling-Permittd	494	1	X	
	Variance	495	1	X	
	Type of Fire Protection Code	496	1	9	
	Time Outside Fire Control Equipment Needed Last Year	497	2	9(2)	
	Number of Employees at Site	499	2	9(2)	
	Number of Hours Operated Daily	501 ~~502~~	2	9(2)	
	Number of Days Operated Per Week	503	1	9	
	Equipment Usually Operating, Cranes	504	2	9(2)	
	Equipment Usually Operating, Scrapers	506	2	9(2)	
	Equipment Usually Operating, Tractors	508	2	9(2)	
	Equipment Usually Operating, Trucks	510	2	9(2)	
	Equipment Usually Operating, Others	512	2	9(2)	
	LPCFC030 Date (Month, Day, Year)	514	6	9(6)	

FILE DEFINITION

Department	System Name	File Name
Land Pollution Control	Disposal Site Inventory	Inventory Master

Record Description

Element #	Element Name	Rel. Pos.	Bytes	Picture	Use
	Filler	520	2	X(2)	
	Add Date (Month, Day, Year)	522	6	X(6)	
	Change Date (Month, Day, Year)	528	6	X(6)	
	Latitude, Degrees	534	2	9(2)	
	Latitude, Minutes	536	2	9(2)	
	Latitude, Seconds	538	2	9(2)	
	Longitude, Degrees	540	2	9(2)	
	Longitude, Minutes	542	2	9(2)	
	Longitude, Seconds	544	2	9(2)	
	Filler	546	1	X	
	LPCFC042 Date (Month, Day, Year)	547	6	9(6)	
	Type of Facility	553	1	9	
	Date Operation Closed (Month, Day, Year)	554	6	9(6)	
	Depth of Aquifer	560	1	9	
	Soil Permeability	561	1	9	
	Distance to Surface Water	562	1	9	
	Distance to Water Supply	563	1	9	
	Flooding	564	1	9	
	Population Density	565	1	9	
	Visual Effects	566	1	9	
	Hazardous Waste Volume	567	1	9	
	Site Size Range	568	1	9	

FILE DEFINITION

Department	System Name	File Name
Land Pollution Control	Disposal Site Inventory	Inventory Master

Record Description

Element #	Element Name	Rel. Pos.	Bytes	Picture	Use
	Percent Completed Covered	569	2	9(2)	
	Time Site Has Been Closed (Mo.)	571	2	9(2)	
	LPCFC055 Date (Month, Day, Year)	573	6	9(6)	
	Letter Sent	579	1	X	
	Inspector Initials	580	3	X(3)	
	Quantity Received Daily Code	583	1	X	
	Authorization	584	1	X	
	Leachate-Ponded on Site	585	1	X	
	Leachate-Flowing on Site	586	1	X	
	Leachate-Seeping	587	1	X	
	Leachate-Evidence of Past Flows	588	1	X	
	Leachate-Observed Garbage or Refuse in Standing Water	589	1	X	
	Leachate-Flow Entering Surface Water	590	1	X	
	Leachate-Flow Leaving Site	591	1	X	
	Open Burning-Observed	592	1	X	
	Open Burning-Underground Fire	593	1	X	
	Open Burning-Evidence of Recent Open Burning	594	1	X	
	Open Burning-Insufficient Fire Protection Equipment Provided	595	1	X	
	Daily Cover-Open Dumping,Garbage, or Refuse Observed	596	1	X	
	Daily Cover-Not Provided on Previous Operating Day	597	1	X	
	Daily Cover-Inadequate Depth Over Entire Site	598	1	X	
	Daily Cover-Inadequate Depth Over Only a Portion of Area	599	1	X	

Department	System Name	File Name
Land Pollution Control	Disposal Site Inventory	Inventory Master

Record Description

Element #	Element Name	Rel. Pos.	Bytes	Picture	Use
	Intermediate Cover-Inadequate Depth in Portion(s) or Entire Required Areas	600	1	X	
	Final Cover-Inadequate Depth in Some Areas	601	1	X	
	Final Cover-Inadequate Depth Over Entire Area 60 Days After Area Closure	602	1	X	
	Final Cover-None 60 Days After Area Closure	603	1	X	
	Unloading Not Supervised	604	1	X	
	Refuse Not Deposited at Toe of Slope or Inadequate Spreading and Compacting or	605	1	X	
	Insufficient Operable Equipment on Site as Required or Operational Roads Unsatisfactory				
	Blowing Litter, Dust Nuisance Observed or Odor Detected	606	1	X	
	Permit or Board Order Violation Noted	607	1	X	
	Liquid, Hazardous, or Toxic Waste Accepted-Not Permitted	608	1	X	
	Inadequate Site Restriction or Site Concealment	609	1	X	
	Inadequate Shelter, Sanitary Facilities, or Emergency Communications	610	1	X	
	Scavenging by Operator or Others Observed	611	1	X	
	Salvaging Observed: Improperly Conducted in Location, Operation or Storgae	612	1	X	
	Evidence of Vectors Observed	613	1	X	
	Animals Feeding Observed	614	1	X	
	FBY Observation	615	1	X	
	Filler	616	20	X(20)	
	Calculate Basic Criteria Value	636	4	9(4)	
	Remarks	640	55	X(55)	
	Monitoring Devices, Gas Wells	695	1	X	
	Monitoring Devices, Ground Water Well	696	1	X	

FILE DEFINITION

Department	System Name	File Name
Land Pollution Control	Disposal Site Inventory	Inventory Master

Record Description

Element #	Element Name	Rel. Pos.	Bytes	Picture	Use
	Monitoring Devices, Number of Wells	697	2	9(2)	
	Filler	699	11	X(11)	
	LPCFC050 Date (Month, Day, Year)	710	6	9(6)	
	LPCFC040 Date (Month, Day, Year)	716	6	9(6)	
	Incorporated Municipalities or Twsp. Name	722	16	X(16)	
	County Name	738	11	X(11)	
	Transaction Code	749	1	X	

8

MID-35

DEPARTMENT OF FINANCE
MANAGEMENT INFORMATION DIVISION
FILE DEFINITION

PROJECT NO	
PAGE	OF
1	2

DEPARTMENT	SYSTEM NAME	FILE NAME
Land Pollution	Special Waste Disposal	Generator Name and Address Master - Old

FILE MEDIA	UNIT REQUIREMENTS NUMBER	UNIT REQUIREMENTS TYPE	RECORD SIZE Length	RECORD SIZE TYPE	BLOCK SIZE RECORDS	BLOCK SIZE LENGTH	TOTAL RECORDS	FILE LABEL
Disk			159	F	51	8109		

FILE ACCESS METHOD	TYPE(S) OF INQUIRY	RETENTION CYCLE
VSAM		

PROGRAMS USING THIS FILE	U/D	FILE SEQUENCE LEVELS	KEY DATA ELEMENTS	Element #
		MAJOR	Generator Code	1
		MINOR		

RECORD DESCRIPTION

Element #	ELEMENT NAME	Rel. Pos.	Bytes	PICTURE	Usage
1	Generator Code (Key)	1-11	11	X(11)	
2	Filler	12-31	20	X(20)	
3	Name	32-51	20	X(20)	
4	Address	52-71	20	X(20)	
5	Community	72-86	15	X(15)	
6	County	87-96	10	X(10)	
7	State	97-98	2	X(2)	
8	Zip Code	99-103	5	X(5)	
9	Area Code	104-106	3	X(3)	
10	Telephone Number	107-113	7	X(7)	
11	Filler	114-143	30	X(30)	
12	Duns Number	144-152	9	9(9)	
13	SIC Code	153-156	4	9(4)	

PREPARED BY	DATE	REVIEWED BY	DATE	APPROVED BY	DATE

FILE SECTION

FILE DESCRIPTION: LP-LI-EXTRACT-FILE

BLOCK SIZE: 0 RECORDS
LABELS: STANDARD
RECORDING MODE: FIXED

RECORD DESCRIPTION:

	LEVL	DESCRIPTION	LGTH	TYPE	FROM	TO
0016	01	LP-LI-EXTRACT-RECORD				
0017	05	LP-LI-EX-INVENTORY-SEG	721	X	1	721
0018	05	FILLER	25	X	722	746
0019	05	LP-LI-EX-DEPENDENT-SEG-ID	1	X	747	747
0020	05	LP-LI-EX-DEPENDENT-SEG	128	X	748	875
0021	05	FILLER	65	X	876	940

LPFDPRNT (CONTINUE

	LEVL	DESCRIPTION	LGTH	TYPE	FROM	TO
0035	05	LP-AR-HW-30-ILEPA-NBR	8	X	49	56
0036	05	FILLER	44	X	57	100
0037	03	*LP-AR-HW-40-CARD REDEFINES LP-AR-HW-30-CARD				
0039	05	LP-AR-HW-40-CARD-CD	2	X	1	2
0040	05	LP-AR-HW-40-FAC-USEPA-NBR				
0041	10	LP-AR-HW-40-FAC-USEPA-POS-1	2	X	3	4
0042	10	LP-AR-HW-40-FAC-USEPA-POS-5	1	X	5	5
0043	10	LP-AR-HW-40-FAC-USEPA-POS-6	9	X	6	14
0044	05	LP-AR-HW-40-ENTERED-DATE				
0045	10	LP-AR-HW-40-ENTERED-DATE-YY	2	X	15	16
0046	10	LP-AR-HW-40-ENTERED-DATE-MM	2	X	17	18
0047	10	LP-AR-HW-40-ENTERED-DATE-DD	2	X	19	20
0048	05	LP-AR-HW-40-PAGE-NBR	3	X	21	23
0049	05	LP-AR-HW-40-LINE-NBR	4	X	24	27
0050	05	LP-AR-HW-40-GEN-USEPA-NBR				
0051	10	LP-AR-HW-40-GEN-USEPA-POS-1	2	X	28	29
0052	10	LP-AR-HW-40-GEN-USEPA-POS-5	1	X	30	30
0053	10	LP-AR-HW-40-GEN-USEPA-POS-6	9	X	31	39
0054	05	LP-AR-HW-40-FAC-ILEPA-NBR				
0055	10	LP-AR-HW-40-FAC-ILEPA-POS-1	5	X	40	44
0056	10	LP-AR-HW-40-FAC-ILEPA-POS-6	3	X	43	45
0057	10	LP-AR-HW-40-FAC-ILEPA-POS-7	2	X	46	47
0058	05	LP-AR-HW-40-GEN-ILEPA-NBR				
0059	10	LP-AR-HW-40-GEN-ILEPA-POS-1	3	X	48	50

(CONTINUED) HAZARDOUS-WASTE-MASTER-1985

	LEVL	DESCRIPTION	LGTH	TYPE	FROM	TO
0060	10	LP-AR-HW-40-GEN-ILEPA-POS-4	3	X	51	53
0061	10	LP-AR-HW-40-GEN-ILEPA-POS-7	4	X	54	57
0062	10	LP-AR-HW-40-GEN-ILEPA-POS-1	1	X	58	58
0063	05	LP-AR-HW-40-HAZARD-CD	2	X	59	60
0064	05	LP-AR-HW-40-RCRA-NBR-1				
0065	10	LP-AR-HW-40-RCRA-NBR-1-POS-	1	X	61	61
0066	10	LP-AR-HW-40-RCRA-NBR-1-POS-	3	X	62	64
0067	05	LP-AR-HW-40-RCRA-NBR-2				
0068	10	LP-AR-HW-40-RCRA-NBR-2-POS-	1	X	65	65
0069	10	LP-AR-HW-40-RCRA-NBR-2-POS-	3	X	66	68
0070	05	LP-AR-HW-40-RCRA-NBR-3				
0071	10	LP-AR-HW-40-RCRA-NBR-3-POS-	1	X	69	69
0072	10	LP-AR-HW-40-RCRA-NBR-3-POS-	3	X	70	72
0073	05	LP-AR-HW-40-RCRA-NBR-4				
0074	10	LP-AR-HW-40-RCRA-NBR-4-POS-	1	X	73	73
0075	10	LP-AR-HW-40-RCRA-NBR-4-POS-	3	X	74	76
0076	05	LP-AR-HW-40-WASTE-AMT	9	N	77	85
0077	05	LP-AR-HW-40-DENSITY	5	N	86	88
		9(2)V9				
0078	05	LP-AR-HW-40-HANDLING-METHOD	3	X	89	91
0079	05	FILLER	9	X	92	100
0080	03	*LP-AR-HW-50-CARD				
		REDEFINES				
		LP-AR-HW-30-CARD				
0082	05	LP-AR-HW-50-CARD-CD	2	X	1	2
0083	05	LP-AR-HW-50-GEN-USEPA-NBR	1		1	

LPFDPRNT

(CONTINUED)

	LEVL	DESCRIPTION	LGTH	TYPE	FROM	TO
084	10	LP-AR-HW-50-GEN-USEPA-POS-1	2	X	3	4
085	10	LP-AR-HW-50-GEN-USEPA-POS-3	1	X	5	5
0086	10	LP-AR-HW-50-GEN-USEPA-POS-4	9	X	6	14
0087	05	LP-AR-HW-50-ENTERED-DATE				
0088	10	LP-AR-HW-50-ENTERED-DATE-YY	2	X	15	16
0089	10	LP-AR-HW-50-ENTERED-DATE-MM	2	X	17	18
0090	10	LP-AR-HW-50-ENTERED-DATE-DD	2	X	19	20
0091	05	LP-AR-HW-50-PAGE-NBR	3	X	21	23
0092	05	LP-AR-HW-50-LINE-NBR	4	X	24	27
0093	05	LP-AR-HW-50-FAC-USEPA-NBR				
0094	10	LP-AR-HW-50-FAC-USEPA-POS-1	2	X	28	29
0095	10	LP-AR-HW-50-FAC-USEPA-POS-3	1	X	30	30
0096	10	LP-AR-HW-50-FAC-USEPA-POS-4	9	X	31	39
0097	05	LP-AR-HW-50-GEN-ILEPA-NBR				
0098	10	LP-AR-HW-50-GEN-ILEPA-POS-1	3	X	40	42
0099	10	LP-AR-HW-50-GEN-ILEPA-POS-4	3	X	43	45
0100	10	LP-AR-HW-50-GEN-ILEPA-POS-7	4	X	46	49
0101	10	LP-AR-HW-50-GEN-ILEPA-POS-1	1	X	50	50
0102	05	LP-AR-HW-50-FAC-ILEPA-NBR				
0103	10	LP-AR-HW-50-FAC-ILEPA-POS-1	3	X	51	53
0104	10	LP-AR-HW-50-FAC-ILEPA-POS-4	3	X	54	56
0105	10	LP-AR-HW-50-FAC-ILEPA-POS-7	2	X	57	58
0106	05	LP-AR-HW-50-HAZARD-CD	2	X	59	60
0107	05	LP-AR-HW-50-RCRA-NBR-1				
0108	10	LP-AR-HW-50-RCRA-NBR-1-POS-	1	X	61	61

(PROPRIETARY) (CONTINUED)

(CONTINUED) HAZARDOUS-WASTE-MASTER-1985

	LEVL	DESCRIPTION	LGTH	TYPE	FROM	TO
109	10	LP-AR-HW-50-RCRA-NBR-1-POS-	5	X	62	64
0110	05	LP-AR-HW-50-RCRA-NBR-2				
0111	10	LP-AR-HW-50-RCRA-NBR-2-POS-	1	X	65	65
0112	10	LP-AR-HW-50-RCRA-NBR-2-POS-	3	X	66	68
0113	05	LP-AR-HW-50-RCRA-NBR-3				
0114	10	LP-AR-HW-50-RCRA-NBR-3-POS-	1	X	69	69
0115	10	LP-AR-HW-50-RCRA-NBR-3-POS-	3	X	70	72
0116	05	LP-AR-HW-50-RCRA-NBR-4				
0117	10	LP-AR-HW-50-RCRA-NBR-4-POS-	1	X	73	73
0118	10	LP-AR-HW-50-RCRA-NBR-4-POS-	3	X	74	76
0119	05	LP-AR-HW-50-WASTE-AMT	9	N	77	85
0120	05	LP-AR-HW-50-DENSITY 9(2)V9	3	N	86	88
0121	05	FILLER	12	X	89	100
0122	03	*LP-AR-HW-60-CARD REDEFINES LP-AR-HW-30-CARD				
0124	05	LP-AR-HW-60-CARD-CD	2	X	1	2
0125	05	LP-AR-HW-60-GEN-USEPA-NBR				
0126	10	LP-AR-HW-60-GEN-USEPA-POS-1	2	X	3	4
0127	10	LP-AR-HW-60-GEN-USEPA-POS-3	1	X	5	5
0128	10	LP-AR-HW-60-GEN-USEPA-POS-4	9	X	6	14
0129	05	LP-AR-HW-60-ENTERED-DATE				
0130	10	LP-AR-HW-60-ENTERED-DATE-YY	2	X	15	16
0131	10	LP-AR-HW-60-ENTERED-DATE-MM	2	X	17	18
0132	10	LP-AR-HW-60-ENTERED-DATE-DD	2	X	19	20

LPFDPRNT (CONTINUED)

	LEVL	DESCRIPTION	LGTH	TYPE	FROM	TO
0133	05	LP-AR-HW-60-PAGE-NBR	3	X	21	23
0134	05	LP-AR-HW-60-LINE-NBR	4	X	24	27
0135	05	LP-AR-HW-60-GEN-ILEPA-NBR				
0136	10	LP-AR-HW-60-GEN-ILEPA-POS-1	3	X	28	30
0137	10	LP-AR-HW-60-GEN-ILEPA-POS-4	3	X	31	33
0138	10	LP-AR-HW-60-GEN-ILEPA-POS-7	4	X	34	37
0139	10	LP-AR-HW-60-GEN-ILEPA-POS-1	1	X	38	38
0140	05	LP-AR-HW-60-TRANS-USEPA-NBR	12	X	39	50
0141	05	LP-AR-HW-60-TRANS-ILEPA-NBR				
0142	10	LP-AR-HW-60-TRAN-ILEPA-POS-	4	X	51	54
0143	10	FILLER	5	X	55	57
0144	05	FILLER	43	X	58	100

LPFDPRNT

4

MID-35

DEPARTMENT OF FINANCE
MANAGEMENT INFORMATION DIVISION
FILE DEFINITION

PROJECT N	
PAGE	OF
1	2

DEPARTMENT	SYSTEM NAME	FILE NAME
LAND POLLUTION CONTROL	WATER QUALITY	WATER QUALITY STANDARDS MASTER

FILE MEDIA	UNIT REQUIREMENTS NUMBER	UNIT REQUIREMENTS TYPE	RECORD SIZE Length	RECORD SIZE TYPE	BLOCK SIZE RECORDS	BLOCK SIZE LENGTH	TOTAL RECORDS	FILE LABEL
DISK			175	F	23	4025		

FILE ACCESS METHOD	TYPE(S) OF INQUIRY	RETENTION CYCLE
VSAM		

PROGRAMS USING THIS FILE	U/D	FILE SEQUENCE LEVELS	KEY DATA ELEMENTS	Element
		MAJOR	STORET NUMBER	1
		MINOR		

RECORD DESCRIPTION

Element #	ELEMENT NAME	Rel. Pos.	Bytes	PICTURE	Usage
1	STORET NUMBER	1	5	X(5)	
2	FILLER	6	5	X(5)	
3	TRANSACTION CODE	11	1	X	
4	GENERAL STANDARD-LOWER LIMIT	12	10	9(10)	
5	GENERAL STANDARD-UPPER LIMIT	22	10	9(10)	
6	*GENERAL STANDARD-MINIMUM REPORTING LEVEL	32	2	X(2)	
7	FOOD PROCESSING STD-LOWER LIMIT	34	10	9(10)	
8	FOOD PROCESSING STD-UPPER LIMIT	44	10	9(10)	
9	*FOOD PROCESSING STD-MINIMUM REPORTING LEVEL	54	2	X(2)	
10	EFFLUENT STD-LOWER LIMIT	56	10	9(10)	
11	EFFLUENT STD-UPPER LIMIT	66	10	9(10)	
12	*EFFLUENT STD-MINIMUM REPORTING LEVEL	76	2	X(2)	
13	DRINKING WATER STD-LOWER LIMIT	78	10	9(10)	

PREPARED BY	DATE	REVIEWED BY	DATE	APPROVED BY	DATE

FILE DEFINITION

Department	System Name	File Name
LAND POLLUTION CONTROL	WATER QUALITY	WATER QUALITY STANDARDS MASTER

Record Description

Element #	Element Name	Rel. Pos.	Bytes	Picture	Use
14	DRINKING WATER STD-UPPER LIMIT	88	10	9(10)	
15	*DRINKING WATER-MINIMUM REPORTING LEVEL	98	2	X(2)	
16	STORET DESCRIPTION-SHORT	100	24	X(24)	
17	STORET DESCRIPTION-LONG	124	50	X(50)	
18	FILLER	174	2	X(2)	

*Minimum reporting level contains the number of digits to the left or right of the decimal point that must be reported, along with the code "L" or "R" to indicate the side of the decimal point.

Example: "2L" or "3R"

tapes 7970 tapes EPPP7 and EPPP10

STORET RECORD

6

MID-35

DEPARTMENT OF FINANCE
MANAGEMENT INFORMATION DIVISION
FILE DEFINITION

PROJECT #	
PAGE	O
1	

DEPARTMENT	SYSTEM NAME	FILE NAME
LAND POLLUTION CONTROL	WATER QUALITY	WATER QUALITY ANALYSIS MASTER

FILE MEDIA	UNIT REQUIREMENTS NUMBER	UNIT REQUIREMENTS TYPE	RECORD SIZE Length	RECORD SIZE TYPE	BLOCK SIZE RECORDS	BLOCK SIZE LENGTH	TOTAL RECORDS	FILE LABEL
TAPE			200	F	40	8000		

FILE ACCESS METHOD	TYPE(S) OF INQUIRY	RETENTION CYCLE
SEQUENTIAL		

PROGRAMS USING THIS FILE	U/D	FILE SEQUENCE LEVELS	KEY DATA ELEMENTS	Element
		MAJOR ↓	SITE NUMBER	1
			MONITOR POINT	2
			STORET NUMBER	3
			COLLECTION DATE	4
			EPA - LAB	5
			REPLICATE NUMBER	6
		MINOR		

RECORD DESCRIPTION

Element #	ELEMENT NAME	Rel Pos	Bytes	PICTURE	Usage
1	SITE NUMBER	1	10	X(10)	
2	MONITOR POINT NUMBER (11 - letter code, 12-14 - printer)	11	4	X(4)	
3	STORET NUMBER	15	5	X(5)	
4	COLLECTION DATE	20	6	9(6)	
5	EPA - LAB	26	1	X	
6	REPLICATE NUMBER	27	1	9	
7	FILLER	28	5	X(5)	
8	TRANSACTION CODE	33	1	X	
9	CONVERSION CODE	34	1	X	
10	REMARKS (NEGATIVE VALUE/UNABLE TO TEST)	35	1	X	
11	GREATER/LESS THAN SIGN	36	1	X	
12	STORET VALUE	37	10	9(10)	
13	REPORTING LEVEL	47	2	X(2)	

PREPARED BY	DATE	REVIEWED BY	DATE	APPROVED BY	DATE

ADM-1049

FILE DEFINITION

STORET RECORD

Department	System Name	File Name.
LAND POLLUTION CONTROL	WATER QUALITY	WATER QUALITY ANALYSIS MASTER

Record Description

Element #	Element Name	Rel. Pos.	Bytes	Picture	Usa
14	FILLER	49	152	X(152)	

MID-35

DEPARTMENT OF FINANCE
MANAGEMENT INFORMATION DIVISION
FILE DEFINITION

PROJECT

PAGE	
1	2

DEPARTMENT	SYSTEM NAME	FILE NAME
LAND POLLUTION CONTROL	WATER QUALITY	WATER QUALITY ANALYSIS MASTER

FILE MEDIA	UNIT REQUIREMENTS		RECORD SIZE		BLOCK SIZE		TOTAL RECORDS	FILE LABEL
	NUMBER	TYPE	Length	TYPE	RECORDS	LENGTH		
TAPE			200	F				

FILE ACCESS METHOD	TYPE(S) OF INQUIRY	RETENTION CYCLE
SEQUENTIAL		

PROGRAMS USING THIS FILE	U/D	FILE SEQUENCE LEVELS	KEY DATA ELEMENTS	Elemen
		MAJOR ↓	SITE NUMBER	1
			MONITOR POINT	2
			STORET NUMBER	3
			COLLECTION DATE	4
			EPA - LAB	5
			REPLICATE NUMBER	6
		MINOR		

RECORD DESCRIPTION

Element #	ELEMENT NAME	Rel Pos	Bytes	PICTURE	Usa
1	SITE NUMBER	1	10	X(10)	
2	MONITOR POINT NUMBER	11	4	X(4)	
3	STORET NUMBER	15	5	X(5)	
4	COLLECTION DATE	20	6	9(6)	
5	EPA - LAB	26	1	X	
6	REPLICATE NUMBER	27	1	9	
7	FILLER	28	5	X(5)	
8	TRANSACTION CODE	33	1	X	
9	CONVERSION CODE	34	1	X	
10	REPORT DUE DATE	35	6	9(6)	
11	SAMPLING PURPOSE CODE	41	1	X	
12	TIME CARD PROGRAM CODE	42	4	X(4)	
13	UNIT CODE	46	1	X	

PREPARED BY	DATE	REVIEWED BY	DATE	APPROVED BY	DATE

FILE DEFINITION

SAMPLE RECORD

Department	System Name	File Name
LAND POLLUTION CONTROL	WATER QUALITY	WATER QUALITY ANALYSIS MASTER

Record Description

Element #	Element Name	Rel. Pos.	Bytes	Picture	Use
14	DATE RECEIVED	47	6	9(6)	
15	BACKGROUND	53	1	X	
16	TIME COLLECTED	54	4	9(4)	
17	UNABLE TO COLLECT SAMPLE REASON CODE	58	1	X	
18	MONITOR POINT SAMPLE METHOD	59	1	X	
19	ORGANIC SAMPLE FILTERED	60	1	X	
20	INORGANIC SAMPLE FILTERED	61	1	X	
21	SAMPLE APPEARANCE	62	40	X(40)	
22	COLLECTOR COMMENTS	102	40	X(40)	
23	COLLECTOR'S INITIALS	142	3	X(3)	
24	LAB NO.	145	4	X(4)	
25	LAB COMMENTS	149	50	X(50)	
26	FILLER	199	2	X(2)	

EMP'11

MID-35

DEPARTMENT OF FINANCE
MANAGEMENT INFORMATION DIVISION
FILE DEFINITION

PROJECT N	
PAGE	OF
1	2

Descriptive File Name	SYSTEM NAME	Data Set Name
LAND POLLUTION CONTROL	SPECIAL WASTE DISPOSAL	MANIFEST HISTORY

FILE MEDIA	UNIT REQUIREMENTS		RECORD SIZE		BLOCK SIZE		TOTAL RECORDS	FILE LABEL
	NUMBER	TYPE	Length	TYPE	RECORDS	LENGTH		
TAPE			154	FB	61	9394	127012	

FILE ACCESS METHOD	TYPE(S) OF INQUIRY	RETENTION CYCLE

PROGRAMS USING THIS FILE	U/D	FILE SEQUENCE LEVELS	KEY DATA ELEMENTS	Element
		MAJOR	MANIFEST NUMBER	1
		MINOR		

RECORD DESCRIPTION

Element #	ELEMENT NAME	Rel Pos	Bytes	PICTURE	Usage
1	MANIFEST NUMBER	1-9	9	X(9)	
2	AUTHORIZATION NUMBER	10-15	6	9(6)	
3	GENERATOR CODE	16-25	10	9(10)	
4	HAULER #1 REGISTRATION NUMBER	26-29	4	9(4)	
	FILLER	30-32	3	X(3)	
5	HAULER #2 REGISTRATION NUMBER	33-36	4	9(4)	
	FILLER	37-39	3	X(3)	
6	SITE CODE	40-49	10	9(10)	
7	QUANTITY OF WASTE	50-55	6	9(6)	
8	VOLUME UNITS	56-56	1	9(1)	
9	DATE SHIPPED TO SITE	57-62	6	9(6)	
10	DATE RECEIVED @ SITE	63-68	6	9(6)	
11	MICROFILM 'COPY D' LOCATION	69-79			

PREPARED BY	DATE	REVIEWED BY	DATE	APPROVED BY	DATE

FILE DEFINITION

Department	System Name	File Name
LAND POLLUTION CONTROL	SPECIAL WASTE DISPOSAL	MANIFEST HISTORY

Record Description

Element #	Element Name	Rel. Pos.	Bytes	Picture	U
	GENERATOR DOCUMENT NUMBER		8	9(8)	
	DISPOSITION CODES		3	X(3)	
12	MICROFILM LOCATION 'COPY A'	80-90			
	JULIAN DATE		5	9(5)	
	FRAME NUMBER		6	9(6)	
13	ERROR FLAGS (Occurs 13 times)	91-103			
	ERROR FLAG		1	9(1)	
14	DATE 1ST ENTERED (Julian Date)	104-108	5	9(5)	
15	FEE-FLAG	109-109	1	X(1)	
16	DATE SENT TO ACCT. FILE (Julian Date)	110-114	5	9(5)	
17	TRAN TYPE CODE #1	115-115	1	X	
18	OPERATOR #1 - NO. AND ENTRY DATE	116-119	4	S9(7)Comp-3	
19	TRAN TYPE CODE #2	120-120	1	X	
20	OPERATOR #2 - NO. AND ENTRY DATE	121-124	4	S9(7)Comp-3	
21	EPA HAZARDOUS WASTE NUMBER	125-128	4	X(4)	
22	DATE MANIFEST DELETED (Julian Date)	129-133	5	9(5)	
23	DISPOSAL CODE	134-134	1	X(1)	
24	FILLER	135-154	20	X(20)	

MID-35

DEPARTMENT OF FINANCE
MANAGEMENT INFORMATION DIVISION
FILE DEFINITION

PROJECT #	
PAGE	OF
1	3

Descriptive File Name	SYSTEM NAME	Data Set Name
LAND POLLUTION CONTROL	SPECIAL WASTE DISPOSAL	WASTE DISPOSAL APPLICATION MASTER

FILE MEDIA	UNIT REQUIREMENTS		RECORD SIZE		BLOCK SIZE		TOTAL RECORDS	FILE LABEL
	NUMBER	TYPE	Length	TYPE	RECORDS	LENGTH		
TAPE ~~DISK~~			933	FB	8	7464		

FILE ACCESS METHOD	TYPE(S) OF INQUIRY	RETENTION CYCLE

PROGRAMS USING THIS FILE	U/D	FILE SEQUENCE LEVELS	KEY DATA ELEMENTS	Element
		MAJOR ↓	AUTHORIZATION NUMBER	1
		MINOR		

RECORD DESCRIPTION

Element #	ELEMENT NAME	Rel Pos	Bytes	PICTURE	Usage
1	AUTHORIZATION NUMBER (Key)	1-6	6	X(6)	
2	LAST TRANSACTION CODE	7-7	1	X(1)	
3	DATE OF LAST TRANSACTION	8-13	6	X(6)	
4	DATE OF LAST UPDATE RUN	14-19	6	X(6)	
5	HAULER CODE	20-23	4	X(4)	
6	GENERATOR CODE	24-33	10	X(10)	
7	GENERATOR CONTACT NAME	34-63	30	X(30)	
8	PROCESS NAME	64-93	30	X(30)	
9	GENERIC WASTE NAME	94-123	30	X(30)	
10	IUPAC WASTE NAME	124-153	30	X(30)	
11	TOTAL WASTE	154-163	10	9(10)	
12	VOLUME UNITS	164-164	1	9(1)	
13	WASTE PHASE	165-165	1	9(1)	

PREPARED BY	DATE	REVIEWED BY	DATE	APPROVED BY	DATE

Department	System Name	File Name
LAND POLLUTION CONTROL	SPECIAL WASTE DISPOSAL	WASTE DISPOSAL APPLICATION MASTER

Record Description

Element #	Element Name	Rel. Pos.	Bytes	Picture	U's
14	TRANSPORT FREQUENCY	166-166	1	9(1)	
15	WASTE CLASS	167-168	2	9(2)	
16	INHALATION TOXICITY	169-169	1	9(1)	
17	DERMAL TOXICITY	170-170	1	9(1)	
18	INGESTIVE TOXICITY	171-171	1	9(1)	
19	INFECTIOUS	172-172	1	9(1)	
20	REACTIVITY	173-173	1	9(1)	
21	EXPLOSIVE	174-174	1	9(1)	
22	FLASH POINT	175-178	4	S9(4)	
23	ALPHA RADIATION	179-184	6	9(6)	
24	COMPOSITION	185-185	1	9(1)	
25	PERCENT ACIDITY	186-188	3	9(2)V9	
26	PERCENT ALKALINITY	189-191	3	9(2)V9	
27	PH	192-194	3	9(2)V9	
28	PERCENT TOTAL SOLIDS	195-199	5	9(3)V9(2)	
29	PERCENT ASH CONTENT	200-203	4	9(2)V9(2)	
30	KEY COMPONENT (Occurs 6 Times)	204-359			
	NAME		22	X(22)	
	PERCENT		4	9(3)V9	
31	METAL (Occurs 20 Times)	360-679			
	TOTAL		8	9(7)V9	
	LEACH		8	9(7)V9	

FILE DEFINITION

Department	System Name	File Name
LAND POLLUTION CONTROL	SPECIAL WASTE DISPOSAL	WASTE DISPOSAL APPLICATION MASTER

Record Description

Element #	Element Name	Rel. Pos.	Bytes	Picture	U
32	LABORATORY NAME	680-699	20	X(20)	
33	CERTIFICATION NO.	700-709	10	9(10)	
34	REVIEWED BY 1	710-712	3	X(3)	
35	REVIEWED BY 2	713-715	3	X(3)	
36	SITE DATA (Occurs 5 Times)	716-915			
	SITE CODE		10	X(10)	
	STATUS		1	X(1)	
	START DATE		6	X(6)	
	EXPIRATION DATE		6	X(6)	
	DENIED START DATE		6	X(6)	
	DENIED EXPIRATION DATE		6	X(6)	
	DISPOSAL METHOD		2	X(2)	
	NEUTRALIZATION METHOD		2	X(2)	
	REGION		1	X(1)	
37	FEE INDICATOR (Occurs 5 Times)	916-920			
	FEE INDICATOR CODE		1	X(1)	
38	FILLER	921-933	13	X(13)	

MID-35

DEPARTMENT OF FINANCE
MANAGEMENT INFORMATION DIVISION
FILE DEFINITION

PROJECT NO	
PAGE	OF
1	2

Descriptive File Name	SYSTEM NAME	Data Set Name
LAND POLLUTION CONTROL	GENERIC WASTE STREAM	GENERIC WASTE STREAM MASTER

FILE MEDIA	UNIT REQUIREMENTS NUMBER	UNIT REQUIREMENTS TYPE	RECORD SIZE Length	RECORD SIZE TYPE	BLOCK SIZE RECORDS	BLOCK SIZE LENGTH	TOTAL RECORDS	FILE LABEL
TAPE ~~DISK~~			352	FB	23	8050	"1"	SL

FILE ACCESS METHOD	TYPE(S) OF INQUIRY	RETENTION CYCLE
~~VSAM~~		

PROGRAMS USING THIS FILE	U/D	FILE SEQUENCE LEVELS	KEY DATA ELEMENTS	Element #
		MAJOR ↓	GENERIC W/S PERMIT NUMBER	1
		MINOR		

RECORD DESCRIPTION

Element #	ELEMENT NAME	Rel. Pos	Bytes	PICTURE	Usage
1	GENERIC W/S PERMIT NUMBER	1-6	6	9(6)	
2	TRANSACTION DATE	7-12	6	9(6)	
3	IEPA SITE CODE	13-22	10	9(10)	
4	FACILITY TYPE	23-23	1	X(1)	
5	STATUS	24-24	1	X(1)	
6	APPROVED DATE	25-30	6	9(6)	
7	EXPIRATION DATE	31-36	6	9(6)	
8	GENERIC WASTE CODE	37-40	4	9(4)	
9	WASTE CLASS	41-42	2	9(2)	
10	DISPOSAL METHOD	43-44	2	9(2)	
11	HANDLING CODES X(3) Occurs 8 times	45-68	24	X(24)	
12	FLASH POINT	69-72	4	9(4)	
13	PH MIN	73-75	3	99V9	

PREPARED BY	DATE	REVIEWED BY	DATE	APPROVED BY	DATE

FILE DEFINITION

Department	System Name	File Name
LAND POLLUTION CONTROL	GENERIC WASTE STREAM	GENERIC WASTE STREAM MASTER FILE

Record Description

Element #	Element Name	Rel. Pos.	Bytes	Picture	Us
14	PH MAX	76-78	3	99V9	
15	USEPA HAZARDOUS WASTE NUMBERS X(4) Occurs 7 times	79-106	28	X(28)	
16	IEPA NON-HAZARDOUS WASTE NUMBERS X(4) Occurs 7 times	107-134	28	X(28)	
17	SUP/OP PERMIT NUMBER	135-144	10	X(10)	
18	REVIEWER INITIALS	145-147	3	X(3)	
19	DATE RECEIVED	148-153	6	9(6)	
20	DATE LAST CHANGED	154-159	6	9(6)	
21	MAJOR WASTE COMPONENTS X(8) Occurs 15 times	160-279	120	X(120)	
	a) CODE 9(5)				
	b) MAX LIMIT 9(3)				
22	FILLER	280-351	72	X(72)	
23	SITE REGION	352-352	1	X(1)	

5

MID-35

DEPARTMENT OF FINANCE
MANAGEMENT INFORMATION DIVISION
FILE DEFINITION

PROJECT N	
PAGE	O
1	2

DEPARTMENT	SYSTEM NAME	FILE NAME
LAND POLLUTION CONTROL	WATER QUALITY	PERMIT CONDITIONS MASTER

FILE MEDIA	UNIT REQUIREMENTS NUMBER	UNIT REQUIREMENTS TYPE	RECORD SIZE Length	RECORD SIZE TYPE	BLOCK SIZE RECORDS	BLOCK SIZE LENGTH	TOTAL RECORDS	FILE LABEL
DISK			135	F	30	4050		

FILE ACCESS METHOD	TYPE(S) OF INQUIRY	RETENTION CYCLE
VSAM		

PROGRAMS USING THIS FILE	U/D	FILE SEQUENCE LEVELS	KEY DATA ELEMENTS	Elemen
		MAJOR	SITE NUMBER	1
			MONITORING POINT	2
			STORET NUMBER	3
		MINOR		

RECORD DESCRIPTION

Element #	ELEMENT NAME	Rel. Pos	Bytes	PICTURE	Usa
1	SITE NUMBER	1	10	X(10)	
2	MONITORING POINT blank	11	4	X(4)	
3	STORET NUMBER blank	15	5	X(5)	
4	TRANSACTION DATE	20	6	9(6)	
5	FILLER	26	5	X(5)	
6	TRANSACTION CODE	31	1	X	
7	CONVERSION CODE	32	1	X	
8	PERMIT DATE	33	6	9(6)	
9	OPERATING PERMIT NUMBER	39	12	X(12)	
10	SUPPLEMENT DATE	51	6	9(6)	
11	SUPPLEMENT NUMBER	57	12	X(12)	
12	COMPLIANCE PERIOD	69	3	9(3)	
13	FINAL DATE	72	6	9(6)	

PREPARED BY	DATE	REVIEWED BY	DATE	APPROVED BY	DATE

FILE DEFINITION

SITE RECORD

Department	System Name	File Name
LAND POLLUTION CONTROL	WATER QUALITY	PERMIT CONDITIONS MASTEF

Record Description

Element #	Element Name	Rel. Pos.	Bytes	Picture	Use
14	BASIN CODE	78	4	X(4)	
15	FILLER	82	54	X(54)	

MID-35

DEPARTMENT OF FINANCE
MANAGEMENT INFORMATION DIVISION
FILE DEFINITION

PROJECT I	
PAGE	O
1	

DEPARTMENT	SYSTEM NAME	FILE NAME
LAND POLLUTION CONTROL	WATER QUALITY	PERMIT CONDITIONS MASTER

FILE MEDIA	UNIT REQUIREMENTS		RECORD SIZE		BLOCK SIZE		TOTAL RECORDS	FILE LABEL
	NUMBER	TYPE	Length	TYPE	RECORDS	LENGTH		
DISK			135	F				

FILE ACCESS METHOD	TYPE(S) OF INQUIRY	RETENTION CYCLE
VSAM		

PROGRAMS USING THIS FILE	U/D	FILE SEQUENCE LEVELS	KEY DATA ELEMENTS	Elemen
		MAJOR ↓	SITE NUMBER	1
			MONITORING POINT	2
			STORET NUMBER	3
		MINOR		

RECORD DESCRIPTION

Element #	ELEMENT NAME	Rel. Pos	Bytes	PICTURE	Usa
1	SITE NUMBER	1	10	X(10)	
2	MONITORING POINT	11	4	X(4)	
3	STORET NUMBER blank	15	5	X(5)	
4	TRANSACTION DATE	20	6	9(6)	
5	FILLER	26	5	X(5)	
6	TRANSACTION CODE	31	1	X	
7	CONVERSION CODE	32	1	X	
8	MONITOR POINT STATUS	33	1	X	
9	STATUS DATE	34	6	9(6)	
10	GRADIENT DESIGNATION	40	1	X	
11	SUPPLEMENT DATE	41	6	9(6)	
12	SUPPLEMENT NUMBER	47	12	X(12)	
13	PROGRAM CODE	59	2	X(2)	

PREPARED BY	DATE	REVIEWED BY	DATE	APPROVED BY	DATE

Department	System Name	File Name
LAND POLLUTION CONTROL	WATER QUALITY	PERMIT CONDITIONS MAST

Record Description

Element #	Element Name	Rel. Pos.	Bytes	Picture	Us
14	BACKGROUND REPORTING PERIODS	61	2	9(2)	
15	REPORTING REQUIREMENTS - OCCURS 4 TIMES				
	CYCLE OF SAMPLING 108 109 78	63	1	X	
	CYCLE OF REPORTING 107 74 79	64	1	X	
	START DATE 110 105 80	65	6	9(6)	
	END DATE 116 101 86	71	6	9(6)	
	REPLICATES 112 103 72	77	1	9	
16	FILLER	123	13	X(13)	

MID-35

DEPARTMENT OF FINANCE
MANAGEMENT INFORMATION DIVISION
FILE DEFINITION

PROJECT I	
PAGE	C
1	2

DEPARTMENT	SYSTEM NAME	FILE NAME
LAND POLLUTION CONTROL	WATER QUALITY	PERMIT CONDITIONS MASTER

FILE MEDIA	UNIT REQUIREMENTS NUMBER	UNIT REQUIREMENTS TYPE	RECORD SIZE Length	RECORD SIZE TYPE	BLOCK SIZE RECORDS	BLOCK SIZE LENGTH	TOTAL RECORDS	FILE LABEL
DISK			135	F				

FILE ACCESS METHOD	TYPE(S) OF INQUIRY	RETENTION CYCLE
VSAM		

PROGRAMS USING THIS FILE	U/D	FILE SEQUENCE LEVELS	KEY DATA ELEMENTS	Elemen
		MAJOR ↓	SITE NUMBER	1
			MONITORING POINT	2
			STORET NUMBER	3
		MINOR		

RECORD DESCRIPTION

Element #	ELEMENT NAME	Rel Pos.	Bytes	PICTURE	Usa
1	SITE	1	10	X(10)	
2	MONITORING POINT	11	4	X(4)	
3	STORET NUMBER	15	5	X(5)	
4	TRANSACTION DATE	20	6	9(6)	
5	FILLER	26	5	X(5)	
6	TRANSACTION CODE	31	1	X	
7	CONVERSION CODE	32	1	X	
8	PROGRAM CODE	33	2	X(2)	
9	SUPPLEMENT DATE	35	6	9(6)	
10	SUPPLEMENT NUMBER	41	12	X(12)	
11	ACL STANDARD-LOWER LIMIT	53	10	9(10)	
12	ACL STANDARD-UPPER LIMIT	63	10	9(10)	
13	ACL STANDARD-REPORTING LEVEL	73	2	X(2)	

PREPARED BY	DATE	REVIEWED BY	DATE	APPROVED BY	DATE

Department	System Name	File Name
LAND POLLUTION CONTROL	WATER QUALITY	PERMIT CONDITIONS MASTEI

Record Description

Element #	Element Name	Rel. Pos.	Bytes	Picture	Use
14	REPORTING REQUIREMENTS - OCCURS 4 TIMES				
120	CYCLE OF SOMPLING 120 105 90	75	1	X	
121	CYCLE OF REPORTING 121 106 91	76	1	X	
122	START DATE 122 107 92	77	6	9(6)	
123	END DATE 123 108 93	83	6	9(6)	
124	REPLICATES 124 109 104	89	1	9	
15	FILLER	150	1	X(1)	

NTIS COMPUTER PRODUCTS CATALOG DATA SHEET RCRA

15. COMPUTER PRODUCT ABSTRACT

This file contains data compiled for the Resource Conservation Recovery Act. Notification of Hazardous Waste Activity, EPA Form 8700-12 was used to collect the data. The file was updated with information compiled from the Application for a Hazardous Waste Permit, EPA Form 3510-3.

The data includes names and addresses of the facility owner and operator, as well as the facility contact name and phone number. The data indicates whether a facility is a generator, treat/store/disposer, and/or transporter of hazardous waste. There is also a listing of code numbers of waste handled taken from 40CFR Part 261.

PB84-240266 Resource Conservation Recovery Act Notification T02

16. DATA FILE TECHNICAL DESCRIPTION

Source tape is in the EBCDIC character set. Tape(s) can be prepared in most standard 7 or 9 track recording modes for one-half inch tape. Identify recording mode desired by specifying character set, track density, and parity. Call NTIS Computer Products if you have questions.

17. SOFTWARE TECHNICAL DESCRIPTION

Software is written in;

Fortran _____ COBOL _____ Basic _____ Assembly _____ Other *(Specify)* _____

Software requires;

CPR Mfr. _____ Model(s) _____ Operating system(s) _____

Minimum of _____ K bytes core. The following special features and/or additional requirements in hardware:

SIGNATURE OF AGENCY REPRESENTATIVE, PHONE NO., AND DATE

Ed Partington (202) 488-5941 8/21/84

SIGNATURE OF NTIS REPRESENTATIVE AND DATE FORM PREPARED

FORM NTIS-231 (REV. 9-74) BACK USCOMM-DC 9411-P74

File Description of EPA's RCRA Notification Tape

The tape file containing RCRA Notification data has the following characteristics:

Created on	IBM 370/168
Density	6250 bpi (DEN=4)
Tracks	9
Record Format	Fixed Blocked
Record Length	80
Blocking Factor	100
Block Length	8000
Label	Unlabeled

Description:

This tape file is sequenced on region, sorted by state and facility ID within each region. It contains data on all facilities that notified to be hazardous waste handlers. The tape file is formatted to print on 8 1/2 by 11 inch paper with a heading for each page and 55 lines of printed facility information per page. Please note that both the site and mailing address are present and may be the same. The contact name was expanded to 30 characters and the owner name was moved to another line.

The following is a format of each record:

HEADER Record

Component Item	Full Name	Length	Starting Position
1	filler	22	1
2	"REGION="	9	23
3	region number	2	32
4	"STATE="	11	34
5	state code	2	45
6	filler	16	47
7	"DATE:"	6	63
8	date (month,day,year)	12	69

FACILITY Record

1	filler	2	1
2	facility name	40	3
3	filler	3	43
4	facility ID	12	46
5	"FED="	8	58
6	facility owner type (YES or NO)	3	66
7	filler	12	69

FACILITY NOTIFICATION DATE & HANDLER TYPE Record

Component Item	Full Name	Length	Starting Position
1	filler	4	1
2	"DATE="	7	5
3	notification rec't date(yymmdd)	6	12
4	"GEN="	10	18
5	generator (X or blank)	1	28
6	"TSDF="	9	29
7	treat,store,dispose(x or blank)	1	38
8	"UIC="	8	39
9	underground injection(x or blk)	1	47
10	"TRAN="	10	48
11	transporter (x or blank)	1	58
12	"MODE="	9	59
13	transporter modes	13	68
	A = air or blank	1	68
	R = rail or blank	1	70
	H = highway or blank	1	72
	W = water or blank	1	74
	O = other or blank	1	76

FACILITY STREET ADDRESS Record

1	filler	4	1
2	facility location street	30	5
3	filler	4	35
4	mail street address	30	39
5	filler	12	69

FACILITY CITY Record

1	filler	4	1
2	facility city	25	5
3	filler	1	30
4	facility zip code	5	31
5	filler	3	36
6	facility mail city	25	39
7	filler	4	64
8	facility mail zip code	5	68
9	filler	8	73

FACILITY CONTACT Record

1	filler	4	1
2	facility phone (area/phone)	12	5
3	filler	1	17
4	facility contact name/position	30	18

FACILITY OWNER Record

1	filler	4	1
2	facility owner	40	5
3	filler	36	45

FACILITY WASTE Record/s (repeats for as many times as needed)

Component Item	Full Name	Length	Starting Position
1	filler	4	1
2	waste codes (repeats upto 15 times)	75	5
3	filler	1	80

REGION = 01 STATE = CT DATE: JUNE 30,198

MC CAULEY ENTERPRISES INC CTD000114652 FED = NO
DATE = 800818 GEN = TSDF = UIC = TRAN = X MODE = . .H. .
52 JAMES ST BOX #2472
EAST HARTFORD 06108 HARTFORD 06101
203/528-9111 VOLPE PAUL VICE PRESIDENT

U013

AUTO WASTE PAC CO. CTD000115063 FED = NO
DATE = 800724 GEN = TSDF = UIC = TRAN = X MODE = . .H. .
665 NUTMEG RD 665 NUTMEG RD
SOUTH WINDSOR 06074 S. WINDSOR 06074
203/289-0787 GAROFALO SALVATORE PRESID
JACQUELINE GAROFALO
F017

DU PONT E I DE NEMOURS & CO INC CTD000116095 FED = NO
DATE = 800818 GEN = X TSDF = UIC = TRAN = MODE = ...
46 RIVER ST 46 RIVER ST
NEW HAVEN 06513 NEW HAVEN 06513
203/562-5151 N TUCHMANN SUPERVISOR
E I DUPONT DE NEMOURS & CO
D002

PIC CORP CTD000117580 FED = NO
DATE = 801208 GEN = X TSDF = UIC = TRAN = MODE = ...
ROUTE 7 PO BOX 335
RIDGEFIELD 06877 RIDGEFIELD 06877
203/431-1224 MURRAY WEISS VICE PRESIDE
PIC CORP
F002 U226

ROYAL BUSINESS MACHINES INC CTD000117978 FED = NO
DATE = 800808 GEN = X TSDF = X UIC = TRAN = MODE = ...
1031 NEW BRITAIN AVE & CARNEY 150 NEW PARK AVE
WEST HARTFORD 06110 HARTFORD 06106
203/523-4881 DUGDALE THOMAS VICE PRESIDENT
EPISCOPAL CHURCH FOUNDATION
D001 F002 F003 F005 K086 U159 U171 U220 U228 U239

UNIROYAL INC CTD000118612 FED = NO
DATE = 800818 GEN = X TSDF = UIC = TRAN = MODE = ...
BENSON ROAD WORLD HEADQUARTERS
MIDDLEBURY 06749 MIDDLEBURY 06749
203/573-3815 ALEKSHUN JAMES MGR FACILT
UNIROYAL INC
D001

CROMPTON & KNOWLES CORP_DAVIS-STANDARD _CTD000457499 FED = NO
DATE = 800818 GEN = TSDF = X UIC = TRAN = MODE = , , , ,
U.S. ROUTE #1 U.S. ROUTE #1
PAWCATUCK 06379 PAWCATUCK, 06379
203/599-1010 CONNOLLY, JOHN J. VP IND. REL.
DAVIS-STANDARD DIV. CROMPTON & KNOWLES
F001 U210

SANI PUMP SEPTIC TANK SERV _CTD000604470 FED = NO
DATE = 800717 GEN = TSDF = UIC = TRAN = X MODE = , ,H, ,
105 BEARDSLEY PARK TER 105 BEARDSLEY PARK TERRACE
BRIDGEPORT 06610 BRIDGEPORT 06610
203/368-0781 DIMENNA JOHN OWNER
DIMENNA JOHN
D000 D007

CONNECTICUT TRMT CORP _CTD000604488 FED = NO
DATE = 800725 GEN = TSDF = X UIC = TRAN = X MODE = , , , ,
51 BRODERICK RD 51 BRODERICK ROAD
BRISTOL 06010 BRISTOL 06010
203/584-9129 GOODSON RICHARD GEN MGR
CESCOS INTL
D000 D001 D002 D003 F001 F002 F003 F004 F005 F006 F007 F008 F009 F010
F011 F012 K054 K078 K079 K081 P029 P030 P074 P098 P104 P106 P122 U002
U044 U052 U144 U188 U220 U226 U227 U228 U239 D006 D007 D008 D011

ARCHER LANDFILL CORP _CTD000604546 FED = NO
DATE = 800729 GEN = TSDF = X UIC = TRAN = X MODE = , ,H, ,
866 RIVER RD 866 RIVER RD
SHELTON 06484 SHELTON 06484
203/929-7139 WILLIAM LAROVERA SUPT
ALFRED J GALLUCCI
F006

INTERNATIONAL SILVER COMPANY _CTD000633263 FED = NO
DATE = 800804 GEN = X TSDF = X UIC = TRAN = X MODE = , ,H, ,
550 RESEARCH PARKWAY 550 RESEARCH PARKWAY
MERIDEN 06450 MERIDEN 06450
203/237-5959 THOMAS EMERY LAB MANAGER
INTERNATIONAL SILVER COMPANY
F001 F006 F007 F008 F009 F010 F012 P030 P098 P099 P104 U002

UPJOHN CO, THE DS GILMORE LAB CHEM_DIV _CTD000635896 FED = NO
DATE = 800813 GEN = X TSDF = X UIC = TRAN = MODE = , , , ,
410 SACKETT POINT ROAD 410 SACKETT POINT ROAD
NORTH HAVEN 06473 NORTH HAVEN 06473
203/281-2798 ODINAK ALEC MGR DEV AND PREP
THE UPJOHN COMPANY

WASTES CONTINUED FROM PREVIOUS PAGE
D000 D001 D003 F002 F003 F005 U003 U009 U012 U037 U044 U077 U080 U196
U211 U019 U107 U213 U223

EAST SHORE WASTEWATER TREATMENT PLANT CTD000635904 FED = NO
DATE = R01006 GEN = X TSDF = UIC = TRAN = X MODE = , ,H, ,
345 EAST SHORE PARKWAY 200 ORANGE STREET
NEW HAVEN 06512 NEW HAVEN 06510
203/787-8093 LEONARD W SMITH GENERAL M
CITY OF NEW HAVEN
D000 D002 F001 F002 F003 F004 F005 F007 F009 F011 K008 K062 P010 P029
P030 P055 P074 P076 P121 U013 U135 U151

SIKORSKY AIRCRAFT-DIVISION OF UTC CTD000635953 FED = NO
DATE = R00818 GEN = X TSDF = UIC = TRAN = MODE = , , , ,
30 MAIN STREET NORTH MAIN STREET
STRATFORD 06497 STRATFORD 06602
203/386-6718 FREDERICK JOHN ENVIR ENGI
CITY OF BRIDGEPORT
F001 F003 F004 F005 F017

EAST STREET WASTEWATER TREATMENT PLANT CTD000635961 FED = NO
DATE = R01006 GEN = X TSDF = UIC = TRAN = X MODE = , ,H, ,
1 EAST STREET 200 ORANGE STREET
NEW HAVEN 06512 NEW HAVEN 06510
203/787-8093 LEONARD W SMITH GENERAL M
CITY OF NEW HAVEN
D000 D002 F001 F002 F003 F004 F005 F007 F009 F011 K002 K008 P010 P029
P030 P055 P074 P076 P121 U013 U135 U151

UNION CARBIDE CORPORATION LINDE DIV CTD000636019 FED = NO
DATE = R00808 GEN = X TSDF = UIC = TRAN = MODE = , , , ,
445 SACKETT POINT RD PO BOX 295
NORTH HAVEN 06473 NORTH HAVEN 06473
203/248-2145 POSKUS JOSEPH M MANAGER
UNION CARBIDE CORPORATION
F001 F017 U002 U013 U226

BOULEVARD WASTEWATER TREATMENT PLANT CTD000636027 FED = NO
DATE = R01006 GEN = X TSDF = UIC = TRAN = X MODE = , ,H, ,
SEA STREET 200 ORANGE STREET
NEW HAVEN 06511 NEW HAVEN 06510
203/787-8093 SMITH LEONARD GENERAL MAN
CITY OF NEW HAVEN
D000 D002 F001 F002 F003 F004 F005 F007 F009 F011 K008 K062 P010 P029
P030 P055 P074 P076 P121 U013 U135 U151

COMPUTER MAGNETIC TAPE FILE PROPERTIES

01. Completion Date (Year / Month / Day)	02. Form Prepared By (Name and Phone)	03. Reel ID Number (Property Control No.)
84 / 08 / 17	Edward Partington (202) 488-5941	
04. Recording Date (Year / Month / Day)	**05. File Identifier or Descriptive Title**	**06. Short Title (External Label Name)**
84 / 06 / 30	RCRA Notification File	RCRANF
07. Source Unavailable (Year / Month / Day)	**08. Documentation** Yes / No Available (Enter Citation)	**09. File Position on Reel**
85 / 06 / 30	X	1 of ____

10. To Be Returned	11. Submitting Organization & Address	12. Receiving Organization & Address
Yes: X / No: ☐ To Other Than The Sender	Environmental Protection Agency 401 M St. SW Washington D.C. 20460	
13. Due Back Date (Year / Month / Day)		

14. Technical Contact(s) & Phone Number(s)

Edward Partington (202) 488-5941

RECORDING SYSTEM CHARACTERISTICS

			17. No. of Tracks			18. Parity		19. Density (BPI)
			7	9	Other	Odd	Even	
EQUIPMENT MANUFACTURER AND MODEL	15. Processing Unit	IBM 370/168						
	16. Tape Subsystem	STC 3670		X		X		6250
RECORDING SOFTWARE	20. Operating System, Release & Version	MVS 3.8	22. Internal File Identifier					
	21. Utility Program or Data Base Language	IEBGENER	None					

23. Characters Set (Graphics): ☐ ASCII ☐ BCD ☐ Other (Specify) ☒ EBCDIC ☐ FIELDATA ☐ Non-Print Codes

24. Recorded Label (Internal Label): ☐ Header ☐ ANSI X 3.27 Standard ☐ Other ☐ Trailer ☐ FIPS Standard ☒ None

FILE CHARACTERISTICS

NUMBER OF RECORDS

25. Physical: 6,466
26. Logical: 646,600

27. Record Type: ☒ Fixed Length ☐ Other Than Fixed

28. Records/Block (Blocking Factor): 100

RECORD LENGTH

30. Physical: 8000 ☐ Bytes ☒ Chars. ☐ Words (Bits/Word)

31. Logical: 80 ☐ Bytes ☒ Chars. ☐ Words (Bits/Word)

TYPE OF FILE ORGANIZATION (Check One Box)

☒ One File One Reel
☐ One File Multiple Reels
☐ Multiple Files One Reel
☐ Multiple Files Multiple Reels

SUPPLEMENTAL INFORMATION

32 Use/Handling Constraints (Specify if Yes)

Yes: ☐ No: X

33. For Submitting Organization Use

Approximately 125,000 pages of computer printout.

☐ DELETE ☒ NEW ☐ REPLACE ☐ CORRECTION

NTIS COMPUTER PRODUCTS CATALOG DATA SHEET

1. ACCESSION NO. PB82-191990

2. CONTRIBUTING AGENCY REPORT NO. EPA/DF-82/014

3. SUBJECT

4. PRODUCT (circle one)

DATA FILE PUBLICATION

DATA BASE REFERENCE SERVICE SOFTWARE MODEL, SIMULATION

5. AGENCY, BUREAU, DIVISION, AND ADDRESS

Environmental Protection Agency
Office of Emergency and Remedial Response, WH-548-D
401 M St, S.W.
Washington, DC 20460

6. PRODUCT NAME (Use agency nomenclature)

Section 103 (c): Notification of Hazardous Substance Sites
CERCLA (SUPERFUND)

7. DESCRIPTORS OF PRODUCT (Keywords, identifiers, etc.) * Data File,

Hazardous waster
Industrial wastes
Solid wastes
Toxic substances
Hazardous waste sites
Superfund
Solid waste disposal
Chemical spills.
Hazardous material spills
Toxic hazards
Notifications
Comprehensive Environmental Response Compensation & Liability Act of 1980

8. DATES OF COVERAGE (For one-time reports, use as-of-date; for software, use date and release no.)

January, 1982

9. FILE SIZE IN NO. OF:

REELS 01 01 PUNCHED CARDS 00000000

10. AVAILABILITY STATEMENT - AGENCY NAME AND ADDRESS, ORDER NO., ETC. (If NTIS sells, leave blank)

11. PRICE INFORMATION

T02 NAC

12. GEOGRAPHIC SCOPE

U.S. and Territories

13. TECHNICAL REPRESENTATIVES (List at least one for subject and one for media)

NAME	TITLE	PHONE NO.
Barbara Jarvis (subject)	Computer Systems Analyst	202-382-2431
James Kersey (media)	Computer Specialist	703-237-2000

REPRODUCED BY
NATIONAL TECHNICAL INFORMATION SERVICE
U.S. DEPARTMENT OF COMMERCE
SPRINGFIELD, VA 22161

14. DOCUMENTATION

☒ AVAILABLE

EXPECTED AVAILABILITY DATE

FORM NTIS-231 (REV. 6-74) FRONT USCOMM-DC 9411-P74

NTIS COMPUTER PRODUCTS CATALOG DATA SHEET PB82-191950

15. COMPUTER PRODUCT ABSTRACT

The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980 PL 96-510 (commonly known as Superfund) mandates in Section 103(c) that certain persons notify the U.S. Environmental Protection Agency (EPA) by June 9, 1981, of the existence of sites where hazardous substances from industries, businesses, governments, hospitals, and other sources are stored, treated, or disposed of. This magnetic tape contains records of 8664 notifications of hazardous substance sites that were reported as of the notification deadline date (June 9, 1981). For each notification the tape summarizes the location, person required to notify, amount and type of any hazardous substance to be found, and any known or suspected releases of hazardous substances on the site reported. The notifications were compiled to help EPA and State and local governments remedy problems created by uncontrolled hazardous substance disposal. The tape is sequenced alphabetically by state and site name within each state, respectively.

16. DATA FILE TECHNICAL DESCRIPTION

Data File produced on;

Source tape is in EBCDIC character set. Character set restricts preparation to 9 track, one-half inch tape only. Identify recording mode by specifying density only. Call NTIS Computer Products, if you have any questions.

17. SOFTWARE TECHNICAL DESCRIPTION

Software is written in;

Fortran _____ COBOL _____ Basic _____ Assembly _____ Other *(Specify)* _____

Software requires;

CPR Mfr. _____ Model(s) _____ Operating system(s) _____

Minimum of _____ K bytes core. The following special features and/or additional requirements in hardware:

SIGNATURE OF AGENCY REPRESENTATIVE, PHONE NO., AND DATE	SIGNATURE OF NTIS REPRESENTATIVE AND DATE FORM PREPARED
Bill Carlin 382-2349 5/3/82	

MAGNETIC TAPE FORMAT
CERCLA 103 (c) NOTIFICATION OF HAZARDOUS WASTE SITES

Tape Characteristics

Standard-label, 9-trk, 1600 BPI IBM tape with fixed length records.

File Characteristics

515 bytes per record; sort sequence is Site State, ascending, and Site Name, ascending.

Record Description

The data in each record represents a notification of a hazardous waste site and has the following data elements in the order shown:

Positions	Data Field	Comments
1 - 40	Site Name	
41 - 70	Site Street	
71 - 95	Site City	
96 - 97	Site State	
98 - 102	Site Zip Code	
103 - 127	Site County Name	
128 - 137	Total Estimated Waste Amount	Integer
138	Total Waste Amount Unit of Measure	C = Cubic feet G = Gallons
139 - 148	Total Estimated Facility Area	Integer
149	Total Facility Area Unit of Measure	S = Square feet A = Acres

Positions	Data Element	Comments
150 - 153	Date of Waste Handling From	Date on which waste handling began at site.
154 - 157	Date of Waste Handling To	Date on which waste handling ended at site.
158 - 166	Releases to the Environment - 'Known', 'Suspected', 'Likely', 'None'	
167 - 206	Person Required to Notify - Name	
207 - 236	Person Required to Notify - Street	
237 - 261	Person Required to Notify - City	
262 - 263	Person Required to Notify - State	
264 - 268	Person Required to Notify - Zip Code	
269	Required Notifier Status - Present Owner	X = Present Owner
270	Required Notifier Status - Past Owner	X = Past owner
271	Required Notifier Status - Present Operator	X = Present Operator
272	Required Notifier Status - Past Operator	X = Past Operator
273	Required Notifier Status - Transporter	X = Transporter
274	Volunteer Indicator	X = Form submitted on a voluntary basis
275 - 304	Contact Name/Position	
305 - 314	Contact Telephone No.	

Positions	Data Element	Comments
315 - 323	Type of Facility (max. occurrences - 9)	Code for each Type of Facility present: 1 = Piles 2 = Land treatment 3 = Landfill 4 = Tanks 5 = Impoundment 6 = Underground injection 7 = Drums, above ground 8 = Drums, below ground 9 = Other
324 - 395	Source of Waste (max. occurrences - 18)	Code for each Source of Waste present: 0001 = Mining 0002 = Construction 0003 = Textiles 0004 = Fertilizer 0005 = Paper/printing 0006 = Leather tanning 0007 = Iron/steel foundry 0008 = Chemical, general 0009 = Plating/ polishing 0010 = Military/ ammunition 0011 = Electrical conductors 0012 = Transformers 0013 = Utility companies 0014 = Sanitary refuse 0015 = Photofinish 0016 = Lab/hospital 0017 = Unknown 0018 = Other

Positions	Data Element	Comments
396 - 515	EPA Hazardous Waste Number (max. occurrences - 30)	Code for each EPA Hazardous Waste Number present. These waste codes are listed in the Resource Conservation and Recovery Act (RCRA) Section 3001 regulations (40 CFR Part 261). Additional special codes used in the CERCLA 103 (c) Notification form are: 0001 = Organics 0002 = Inorganics 0003 = Solvents 0004 = Pesticides 0005 = Heavy metals 0006 = Acids 0007 = Bases 0008 = PCBs 0009 = Mixed Municipal Waste 0010 = Unknown 0011 = Other

COMPUTER MAGNETIC TAPE FILE PROPERTIES

01. Completion Date (Year / Month / Day)	02. Form Prepared By (Name and Phone)	03. Reel ID Number (Property Control No.)
8 / 2 / 0 1 / 1 8	James M. Kersey (703) 237-2000	019119
04. Recording Date (Year / Month / Day)	**05. File Identifier or Descriptive Title**	**06. Short Title (External Label Name)**
8 / 1 1 / 2 1 / 0	Section 103 (c): Notification of Hazardous Substance Sites	Site Tape
07. Source Unavailable (Year / Month / Day)	**08. Documentation** (Yes / No) Available (Enter Citation)	**09. File Position on Reel**
	X	1 of 1

10. To Be Returned (Yes / No / To Other Than The Sender)	11. Submitting Organization & Address	12. Receiving Organization & Address
No: X	Environmental Protection Agency 401 M Street, S.W. Washington, D.C. 24060	

13. Due Back Date (Year / Month / Day)

14. Technical Contact(s) & Phone Number(s)

B. Jarvis (202) 382-2418
J. Kersey (703) 237-2000

RECORDING SYSTEM CHARACTERISTICS

		17. No. of Tracks			18. Parity		19. Density (BPI)
		7	9	Other	Odd	Even	
EQUIPMENT MANUFACTURER AND MODEL	15. Processing Unit: IBM 370 16. Tape Subsystem: STC 3670		X only				6250
RECORDING SOFTWARE	20. Operating System, Release & Version: MVS 3.8 21. Utility Program or Data Base Language						

22. Internal File Identifier: GP.NTSH.SITETAPE

23. Characters Set (Graphics): ☐ ASCII ☐ BCD ☐ Other (Specify) ☒ EBCDIC ☐ FIELDATA ☐ Non-Print Codes

24. Recorded Label (Internal Label): ☒ Header ☐ ANSI X 3.27 Standard ☐ Other ☒ Trailer ☐ FIPS Standard ☐ None

FILE CHARACTERISTICS

NUMBER OF RECORDS
- 25. Physical: Approx. 481
- 26. Logical: 8664

27. Record Type: ☒ Fixed Length ☐ Other Than Fixed

28. Records/Block (Blocking Factor): 18

RECORD LENGTH
- 30. Physical: 9270 ☒ Bytes ☐ Chars. ☐ Words (Bits/Word)
- 31. Logical: 515 ☒ Bytes ☐ Chars. ☐ Words (Bits/Word)

TYPE OF FILE ORGANIZATION (Check One Box)
- ☒ One File One Reel
- ☐ One File Multiple Reels
- ☐ Multiple Files One Reel
- ☐ Multiple Files Multiple Reels

SUPPLEMENTAL INFORMATION

32. Use/Handling Constraints (Specify if Yes): Yes ☐ No ☒ X

33. For Submitting Organization Use

Received 10/18/84

☐ DELETE ☐ NEW ☒ REPLACE ☐ CORRECTION

NTIS COMPUTER PRODUCTS CATALOG DATA SHEET	1. ACCESSION NO.	2. CONTRIBUTING AGENCY REPORT NO.	3. SUBJECT
	PB84-240266	* See box 10 EPA/DF-84/056	

4. PRODUCT (circle one)

(DATA FILE) PUBLICATION

DATA BASE REFERENCE SERVICE SOFTWARE MODEL, SIMULATION

5. AGENCY, BUREAU, DIVISION, AND ADDRESS

Environmental Protection Agency
Office of Solid Waste
Permits and State Programs Div.
Hazardous Waste Implementation Branch
401 M ST SW, Washington D.C. 20460

6. PRODUCT NAME (Use agency nomenclature)

Resource Conservation Recovery Act Notification Data File

7. DESCRIPTORS OF PRODUCT (Keywords, identifiers, etc.) * Data File

This tape contains data on the facilities that notified as hazardous waste handlers. The file is formatted to print on 8 1/2 by 11 inch paper. The facilities are sorted by EPA Region Number, State Code, and Facility Identification Number.

8. DATES OF COVERAGE (For one-time reports, use as-of-date; for software, use date and release no.)	9. FILE SIZE IN NO. OF:
as-of- June 30, 1984	REELS 001 PUNCHED CARDS

10. AVAILABILITY STATEMENT - AGENCY NAME AND ADDRESS, ORDER NO., ETC. (If NTIS sells, leave blank)

* This data file supersedes PB83-198051 EPA/DF 83/006

11. PRICE INFORMATION

TØ2 NAC

12. GEOGRAPHIC SCOPE

United States and Territories

13. TECHNICAL REPRESENTATIVES (List at least one for subject and one for media)

NAME	TITLE	PHONE NO.
(sub.) Steve Levy	Program Manager	(202) 382-4740
(sub.) Jeff Tumarkin	Environmental Spec.	(202) 382-4753
(tec.) Ed Partington	Computer Systems Analyst	(202) 488-5941

14. DOCUMENTATION	EXPECTED AVAILABILITY DATE
☐ AVAILABLE	

PPA

Attachment A

SOURCE DOCUMENT NAME:

EPA Section I Tape Transfer Format - Page #1

SE: SURFACE IMPOUNDMENTS ASSESSMENT

LEGEND: A-Alpha N=Numeric
A/N=Alphanumeric, R=Required
RJ=Right Justify
LJ=Left Justify
PRE/0=Precede Zero
GTZ=Greater than Zero

Position FROM	Position TO	Field Name	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	2	State	The 2 letter postal service code for State	A,R
3	5	County	The 3 digit fips county/city code	N,R
6	10	Place	The 5 digit standard place code	N,
11	13	Category	USE Catagory code	A,R
14	18	Site Number	Unique SIA Site Number	R,PRE/0, N,RJ
19	21	Number of Impoundments	Number of impoundments located at this site.	N,GTZ,R, PRE/0,RJ
22	33	State ID No.	State Identification Number	LJ
34	42	NPDES No.	NPDES Number for the facility	LJ
43	46	SIC No.	SIC Number	N,RJ
47	48	LAT DEG	Latitude - Degrees	PRE/0 R,N,RJ
49	50	LAT MIN	Latitude - Minutes	PRE/0 R,N,RJ
51	52	LAT SEC	Latitude - Seconds	PRE/0 R,N,RJ
53	55	LONG DEG	Longitude - Degrees	PRE/0 R,N,RJ
56	57	LONG MIN	Longitude - Minutes	PRE/0 R,N,RJ
58	59	LONG SEC	Longitude - Seconds	PRE/0 R,N,RJ
60	65	Date	Date of Location & count (MM/DD/YY)	N,R
66	102	Owner Name	Land owner Name	LJ
103	139	Owner Address	Land owner Address	LJ
140	169	Owner City	Land owner city	LJ
170	171	Owner State	Land owner State code	A
172	176	Owner Zip	Land owner Zip code	N
177	213	Operator Name	Operator Name	LJ

SOURCE DOCUMENT NAME:

SIA Section I, Page # 1

PURPOSE:

LEGEND: A=Alpha N=Numeric
A/N=Alphanumeric, R=Required
RJ=Right Justify
LJ=Left Justify
PRE/0=Precede Zero
GTZ=Greater than Zero

FROM	TO		DESCRIPTION	ADDITIONAL INSTRUCTIONS
214	250	Operator Address	Operator Address	LJ
251	280	Operator City	Operator City	LJ
281	282	Operator State	Operator State	A
283	287	Operator Zip	Operator Zip	N
288	296	Facility DUNNS		
297	305	Operator DUNNS		

SOURCE DOCUMENT NAME:

SIA, Section II, Tape Transfer Format - Page #2

PURPOSE:

LEGEND: A-Alpha N=Numeric
A/N=Alphanumeric, R=Required
RJ=Right Justify
LJ=Left Justify
PRE/Ø=Precede Zero
GTZ=Greater than Zero

FROM	TO		DESCRIPTION	ADDITIONAL INSTRUCTIONS
104	107	Effluent All Year	Average Effluent for all Impoundments Year of Record	N, RJ
108	109	Bottom Liner	Type of Bottom Liner	PRE/Ø, R, N, RJ
110	112	Liner Thickness	Thickness of the Liner in Inches	N, RJ, PRE/Ø
113	124	Other Liner Type	Other Liner Types	LJ, A/N
125	125	Type of Livestock	The code for describing the Livestock	RJ, N, PRE/Ø
126	131	Number of Livestock	Number of Livestock for Agriculture Impoundment	N
132	133	Monitoring	Number of Monitoring Wells for this Impoundment	PRE/Ø, N, RJ
134	134	Sample Frequency	Frequency of Ground Water Sampling from Wells	N
135	146	Sampling	Other Sampling Frequency	LJ, A/N
147	147	Water Quality	Changes in Ground Water Quality (1-4)	N
148	148	Seepage Affect	Ground water affected by Seepage (1-4)	N
149	151	Step 1		
152	154	Step 2		
155	156	Step 3		
157	158	Step 4		
159	160	Step 5		
161	163	Step 6		
164	166	Miscellaneous Identifier		
167	170	Waste ID No.		
171	179	Facility DUNNS		
180	188	Operator DUNNS		
189	192	SIC No.		

SOURCE DOCUMENT NAME:

SIA, Section II, Tape Transfer Format - Page #2

PURPOSE:

LEGEND: A-Alpha N=Numeric
A/N=Alphanumeric, R=Required
RJ=Right Justify
LJ=Left Justify
PRE/Ø=Precede Zero
GTZ=Greater than Zero

FROM	TO		DESCRIPTION	ADDITIONAL INSTRUCTIONS
104	107	Effluent All Year	Average Effluent for all Impoundments Year of Record	N, RJ
108	109	Bottom Liner	Type of Bottom Liner	PRE/Ø, R, N, RJ
110	112	Liner Thickness	Thickness of the Liner in Inches	N, RJ, PRE/Ø
113	124	Other Liner Type	Other Liner Types	LJ, A/N
125	125	Type of Livestock	The code for describing the Livestock	RJ, N, PRE/Ø
126	131	Number of Livestock	Number of Livestock for Agriculture Impoundment	N
132	133	Monitoring	Number of Monitoring Wells for this Impoundment	PRE/Ø, N, RJ
134	134	Sample Frequency	Frequency of Ground Water Sampling from Wells	N
135	146	Sampling	Other Sampling Frequency	LJ, A/N
147	147	Water Quality	Changes in Ground Water Quality (1-4)	N
148	148	Seepage Affect	Ground water affected by Seepage (1-4)	N
149	151	Step 1		
152	154	Step 2		
155	156	Step 3		
157	158	Step 4		
159	160	Step 5		
161	163	Step 6		
164	166	Miscellaneous Identifier		
167	170	Waste ID No.		
171	179	Facility DUNNS		
180	188	Operator DUNNS		
189	192	SIC No.		

```
    INFILE
    BLOCK CONTAINS  5  RECORDS
    LABEL RECORDS ARE STANDARD
    DATA  RECORD  IS  IN-REC.
01  IN-REC.
  03        IN-TYPE       PIC X(03).
  03        PID-M         PIC X(09).
  03        IN-NAME       PIC X(30).
  03        IN-STREET     PIC X(30).
  03        IN-CITY       PIC X(11).
  03        IN-STATE      PIC X(02).
  03        FILLER        PIC X(04).
  03        IN-ZIP        PIC X(05).
  03        FILLER        PIC X.
  03        FED-REG       PIC 9(08).
  03        FILLER        PIC X.
  03        IN-SIC        PIC 9(04).
  03        FILLER        PIC X.
  03        WTE-TYPE      PIC X(12).
  03        FILLER        PIC X.
  03        PLT           PIC X(04).
  03        FILLER        PIC X.
  03        SIGNATURE     PIC X(20).
  03        FILLER        PIC X.
  03        AREA-1        PIC X(03).
  03        FILLER        PIC X.
  03        TEL-1         PIC X(07).
  03        FILLER        PIC X.
  03        AREA-2        PIC X(03).
  03        FILLER        PIC X.
  03        TEL-2         PIC X(07).
  03        FILLER        PIC X.
  03        AREA-3        PIC X(03).
  03        FILLER        PIC X.
  03        TEL-3         PIC X(07).
  03        DEL           PIC X.
*
FD  OUTVAX
    LABEL RECORDS ARE STANDARD
    DATA  RECORD  IS  OUT-REC.
01  OUT-REC.
  03        OUT-TYPE      PIC X(03).
  03        OUT-KEY       PIC X(09).
  03        OUT-NAME      PIC X(30).
  03        OUT-STREET    PIC X(30).
  03        OUT-CITY      PIC X(11).
  03        OUT-STATE     PIC X(02).
  03        OUT-ZIP       PIC X(05).
  03        OUT-SIC       PIC 9(04).
WORKING-STORAGE  SECTION.
```

VOL=SER=(EP0414, EP0396, EP0264) Dun & Bradstreet

DSN: FINANCE.EPA.
DCB

VOL=SER=EP0166

This booklet contains a detailed description of Dun's Market Identifiers (DMI) magnetic tapes.

DMI files contain IBM Form II records with 350-position data each. Available Blocking factors are:

10 Records to 1 Block
5 Records to 1 Block or
Unblocked

9 Track

BPI 800, or 1600

Labels IBM 360 O/S
No Labels

If other specifications are requested, please contact:

Fulfillment Department
Marketing Services Division
Dun & Bradstreet, Inc.
99 Church Street
New York, New York 10007

Telephone No. (212) 349-3300

JRD

DMI SYSTEM TAPE RECORD DESCRIPTION

POSITIONS	DESCRIPTION
1 - 9	D-U-N-S Number. This Data Universal Numbering System random numeric serial number includes a Modulus 10 check digit. The number, concepts involved and manner of calculation of check digit are explained in detail on page no. 8.
10 - 21	Geographic Codes. Geographic locations are assigned Dun & Bradstreet location codes with the codes subdivided as follows: (a) Positions 10-12 – National Codes. Randomly assigned three-digit code. 000 for United States 001 for Canada etc. (b) Positions 13-15 – County Code. A three-digit code for next level of political subdivision. This three-digit numeric code puts counties in alphabetic sequence within state. (c) Positions 16-17 – State Code. Two-digit code for major political subdivision within a country. This two-digit numeric code puts states in alphabetic sequence nationally, (e.g., Alabama ... Wyoming). (d) Positions 18-21 – City Code. This four-digit numeric code puts cities in alphabetical order within state.
22	Reserved for possible future use as Geographic Check Digit.
23 - 52	Business Name.
53 - 77	Street Address. This is the physical location of the establishment. The field will either contain data or a "□" (hypercycloid) to indicate absence of a street address.
78 - 99	Mail Address. This field is present only if the establishment has a mail address in addition to its physical address – e.g., a separate Post Office Box, etc. If there is a separate mailing address, the ZIP Code (positions 118-122) apply to the mail address only. The first position of the mail address is a code and the rest of the field is free-flow information. The code identifies the type of mail address and the following are available entries in position 78: 0 = No separate mail address 1 = PO BOX 2 = DRAWER 3 = RUR RT

POSITIONS	DESCRIPTION
100 - 112	City Name. Physical location of the establishment. Towns in the U S. are abbreviated to 13 characters in accordance with POD 59, Canadian towns have been abbreviated to 13 characters with the assistance of the Canadian Post Office; however, the abbreviation is not official and delivery of mail to the abbreviated town spellings is not guaranteed by the Canadian Post Office.
113 - 116	State Abbreviation. The State or Province abbreviation is Dun & Bradstreet's abbreviations for the physical location of the establishment.
117 - 122	ZIP Code. The Zone Improvement Plan (ZIP) Code for the United States occupies the last five positions. The first position (position 117) is presently blank and left for the expansion to 6-digit ZIP Codes. NOTE: Canada does not have a ZIP Code system at present. In certain large cities, the postal zone is required to assure delivery of mail. On Canadian records, the Postal Zone may appear left justified to position 118. In other Canadian records, the entire field may be blank. In the future, Canada may introduce a 6-digit ZIP Code which then will appear in this field (positions 117-122) after official Canadian implementation.
123 - 132	Telephone Number. Only direct dialing numbers (with area codes) are included in the United States records. The area code is in positions 123-125. A "⌶" (hypercycloid) symbol indicates that no telephone number was available. NOTE: Because of the number of businesses in Canada without area codes and/or direct dialing capabilities, telephone numbers in Canada are not validated under the same rules. If an area code is used, the Canadian telephone number is identical in format to the U.S. Numbers. If an area code is not used, the number is in free-flow format.
133 - 151	Principal Officer and Title. This field contains the name and title of the person reported to D & B as filling the function of chief executive at this location. A "⌶" (hypercycloid) indicates that this information is not available.
152 - 170	DMI Line of Business. Alpha narrative abbreviation of what is done at this establishment. A "⌶" (hypercycloid) indicates the field is validly blank and the name of the business adequately describes the function.
171 - 173	Year Started. A three-digit numeric field to show the year that the business was started. The first digit of the year is dropped and the remainder stored (e.g., 1964 is stored as '964'). This data is not present on branches nor special listings.
174 - 180	Dun & Bradstreet Credit Rating. This consists of a three-digit numeric coded rating followed by the four-digit alpha-numeric symbols used in D & B

POSITIONS	DESCRIPTION

credit reports. The new D & B rating key is used. See page no. 7.

181 - 200 — Size Indicators. Consists of four fields of five positions each. Full explanation of the codes used to signify amounts is given on a separate coding sheet. See page no. 6. The fields contain actual figures (which may be rounded) or a code to identify a range when actual figures are not available. Following is a breakdown of the four fields:

(a) Positions 181-185 – Sales. Annual Sales volume for the company. Branch listings and some few special cases do not have this figure.

(b) Positions 186-190 – Net Worth. This field contains the tangible net worth of the company involved. Branch listings and some few special cases do not have this figure.

(c) Positions 191-195 – Employees Here. This field contains number of employees of this location. This field is carried in branch listings and is present in all but some few special listings (e.g., lock boxes, Trade Styles).

(d) Positions 196-200 – Total Employees. This field contains the total number of employees for the organization to which the establishment belongs. For branch listings and some few special listings the field is blank. For single-location establishments, the field is the same as "Employees Here" field. The headquarter listing of multi-establishment firms contains the total number of employees for the entire organization.

The code positions of each indicator indicates that:

0 = Actual figures are present.
1 = The figure represents the low end of a range.
2 = The figure is unavailable. This will only be used in combination as 00002.

201 - 224 — SIC Numbers. Up to six Standard Industrial Classification Numbers are stored for each establishment. The four-digit 1967 revision numbers are described in detail in the D & B DMI catalog and in various government publications. The four-digit numbers actually appear as follows:

(a) Positions 201-204 – Major or Primary SIC. This position is always filled and represents the primary function of the establishment.

(b) Positions 205-208.

(c) Positions 209-212.

(d) Positions 213-216.

(NOTE: (b) through (f) are used if needed to show multiple lines of business. Unused positions contains blanks).

POSITIONS	DESCRIPTION
	(e) Positions 217-220.
	(f) Positions 221-224.
225 - 254	Secondary Name. This field contains the trade style or divisional name if one is used by the establishment. There is data in the field or it is blank.
255 - 267	Headquarters City. This field contains the location of the headquarters of a multi-unit operation.
268 - 271	Headquarters State. This field contains the state location of the headquarters record of a multi-unit operation.
DELETE	
272 - 274	Headquarters Reporting Office. This is the three-digit numeric code which identifies the Dun & Bradstreet Office which reports the headquarters location.
DELETE	
275 - 283	Headquarters D-U-N-S Number. This is the D-U-N-S Number of the headquarters location if the listing is a branch. (Identified by a "2" in 302.) This allows the computer to tie branch locations to their appropriate Headquarter record. Listings with a "1" in position 302 show a repetition of their own D-U-N-S Number in this field. These are headquarter records, and their numbers are repeated in this field so that a common sort and/or match area is available for Headquarter and Branch records. Thus, for Headquarter records (identified by a "1" in position 302) the same D-U-N-S Number appears twice in the record. Branch listings whose Headquarter D-U-N-S has not yet been entered contain a "⌑" (hypercycloid) in this field. Records that do not contain a "1" or "2" in position 302 contains blanks in this field.
DELETE	
284 - 292	Parent D-U-N-S. If there is a "3" in position 303 (indicating that this is a subsidiary record) then the D-U-N-S Number of the parent organization's headquarter location will appear in this field. This allows a computer match-up of parent/subsidiary related firms. If this record is not a subsidiary ("0" in position 303), then the Parent D-U-N-S field is blank. If the record is a subsidiary and the parent number has not yet been entered, the field contains a " ⌑ " (hypercycloid).
293 - 301	Reserved for Ultimate D-U-N-S Number. When this code is introduced into the system, the field will contain the D-U-N-S Number of the top-most firm of a "Family-Tree" group of companies. The field will either contain codes or blanks.
302	Status Indicator. This shows the company's status as part of a multi-unit operation. Following are possible codes: 0 = Not multi-unit affiliated (single location). 1 = Headquarters location of multi-unit operation. 2 = Branch location of multi-unit operation.
303	Subsidiary Indicator. If this establishment is a subsidiary, there will be a

POSITIONS	DESCRIPTION
	"3" in this position. If it is not a subsidiary, the position will contain a "0"
304	Manufacturing Indicator. This code tells whether or not manufacturing operations are done at this point. Possible entries are: 0 = Manufacturing is done at this location. 1 = No manufacturing is done at this location.
305 - 313	Blank. (Reserve for Future Expansion).
314 - 316	SMTA. Codes Refer to Dun & Bradstreet Standard Metropolitan Trade Area booklet.
317 - 337	Blank.
338 - 340	Dun & Bradstreet Reporting Office Number.
341	Transaction Codes. A code that identifies the last transaction processed against a master. Possible entries are on transaction tape files: 1 = Delete 2 = New – addition to file 3 = Change 6 = No change Possible entries on original files: 3 = addition to file 5 or A = Change 7 = No change All other codes appearing in this field should be considered changes.
342 - 343	Reason Codes. 01 = addition with a predecessor 02 = addition without a predecessor 03 = addition – all others 09 = change in business name, street, or mailing address 08 = same as 09 plus central maintenance submission 07 = all other changes NOTE: Reason codes had been introduced into the system during 1970. Not all records may contain the above codes. Blank positions in this field are possible.
344 - 349	Transaction Date. Date of last transaction processed against the master. This is formatted YYMMDD.
350	Record Mark. This code signifies end of record.

CODE EXPLANATION FOR –

Number of Employment (Here & Total)

Net Worth

Sales Volume

1. If actual statistics are known, the entire field is used as follows:

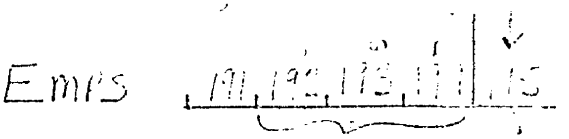
(Zero in last position – code)

NUMBER OF DIGITS	FIRST 4 DIGITS	CODE IND
1	000#	0 ← always "0" when actual figures are reported
2	00##	
3	0###	
4	1###	
5	2###	
6	3###	
7	4###	
8	5###	
9	6###	
10	7###	

The symbol # represents the actual figure. We can show exact numbers up to 999 employees or dollars, and the first digit will always be a zero. After 999 is reached, the first digit will always indicate the number of zeros that have to be added to the following three digits. E. G., 3450 = 450000 dollars or employees.

2. If code indicator (last position) contains a "1", the figure in the first four positions represents the low end of a range. The same system applies as under 1.

3. If figure is unavailable, the fields will always be coded 00002.



NEW KEY TO RATINGS

Estimated Financial Strength			Composite Credit Appraisal				Coded On DMI Magnetic Tape (New) Position 174-176			
			HIGH	GOOD	FAIR	LTD.	HIGH	GOOD	FAIR	LTD.
5A	Over	$50,000,000	1	2	3	4	001	002	003	004
4A	$10,000,000 to	50,000,000	1	2	3	4	005	006	007	008
3A	1,000,000 to	10,000,000	1	2	3	4	011	012	013	014
2A	750,000 to	1,000,000	1	2	3	4	021	022	023	024
1A	500,000 to	750,000	1	2	3	4	031	032	033	034
BA	300,000 to	500,000	1	2	3	4	041	042	043	044
BB	200,000 to	300,000	1	2	3	4	051	052	053	054
CB	125,000 to	200,000	1	2	3	4	061	062	063	064
CC	75,000 to	125,000	1	2	3	4	071	072	073	074
DC	50,000 to	75,000	1	2	3	4	081	082	083	084
DD	35,000 to	50,000	1	2	3	4	091	092	093	094
EE	20,000 to	35,000	1	2	3	4	101	102	103	104
FF	10,000 to	20,000	1	2	3	4	111	112	113	114
GG	5,000 to	10,000	1	2	3	4	121	122	123	124
HH	Up to	5,000	1	2	3	4	131	132	133	134

Classification for both Estimated Financial Strength and Credit Appraisal.

Financial Strength Bracket		
1	$125,000 and Over	210
2	20,000 to 125,000	220

OTHER RATINGS

--	OBTAIN ADDITIONAL REPORT	250
ER	INDICATES EMPLOYEE RANGE	410
INV	REPORT UNDER INVESTIGATION	510
BR	BRANCH–SEE HQ RATING	610 or 600
CR	CROSS REFERENCE (TRADESTYLE)	710
LB	THIS IS A LOCKBOX	810

What is a D-U-N-S Number?

In the Data Universal Numbering System every establishment is identified by a nine-digit number. At present the first of these digits is a zero for establishments in the United States, but it is recommended that any company using *D-U-N-S* make room for all nine digits in its system to allow for future growth. *D-U-N-S* has been expanded to include Canadian accounts, and future plans will bring establishments from other countries into it.

Each *D-U-N-S* number ends with a special digit known as a Modulus ten, double-one-double-one check digit. This check digit makes it possible for a computer or other data processing system to catch transcription errors.

In *D-U-N-S*, the block of numbers from 00-000-000 through 00-099-999 plus the respective check digits of each will never be used. This block of numbers has been set aside as a Reserve Users Block. Users of the system may assign numbers from the "block" to any of their accounts which are not covered in *D-U-N-S*. For example, the system covers commercial establishments, but a user may also sell to or buy from a group of non-commercial enterprises to which *D-U-N-S* numbers are not assigned. Numbers would be assigned for these accounts by the user himself from the Reserve Users Block.

How D-U-N-S numbers are assigned

D-U-N-S has been set up to provide the widest possible coverage of business establishments consistent with the practical problems of maintaining accuracy. Numbers are assigned to headquarters locations and also to major branches and to certain remittance locations (e.g., Lock Boxes, P.O. Boxes) even though the latter may not always qualify as "physical" establishments. The numbers are assigned and periodically updated by D&B's 2,000-man staff of business analysts. The assigning of *D-U-N-S* numbers has been projected into three stages.

First—Numbers were assigned to 400,000 establishments in manufacturing, mining, construction, transportation, communications and utilities. In addition, numbers were also assigned to nearly 100,000 of the largest businesses in the United States in other divisions of industry, including all known businesses with net worths in excess of $500,000. With this initial assignment of numbers, the coverage of the system, in terms of document traffic became immediately effective while covering only a portion of the total business units in this country.

Second—Numbers have been assigned to an additional 2,300,000 establishments in wholesale, retail, service, financial, and agricultural industries in the United States. This phase now makes *D-U-N-S* numbers available for nearly 3,000,000 establishments.

Third—The assignment of *D-U-N-S* numbers to establishments outside the United States is underway. 300,000 Canadian establishments have been assigned numbers and ultimately the system will be extended to the United Kingdom. Continental Europe, South America, Australia, Mexico and South Africa.

How a computer checks a D-U-N-S Number

00–194–7308
This is a *D-U-N-S* number assigned by Dun & Bradstreet The ninth digit –8– is the check digit
The combination of digits used to check a number is:
12121212
Place the *D-U-N-S* number without check digit over the checking combination and multiply each upper digit by the digit below it

0	0	1	9	4	7	3	0
x1	x2	x1	x2	x1	x2	x1	x2
0	0	1	18	4	14	3	0

Add the digits up, treating each digit as a separate number (18 becomes 1 and 8) In this case the total is 22
Subtract the total, 22, from the next higher multiple of 10 (30 in this case)
30–22=8
This matches the last—or check—digit in the given number, **00–194–7308** Thus the computer has checked the number and found it correct

DATA SHEET

PAGE 9 OF 12

DOCUMENT: DMI RECORD

NO.

DATE June 1973

ITEM	A=ALPHA N=NUMERIC M=MIXED	NO. OF DIGITS			COMMENTS
D–U–N–S NUMBER	N	9			
GEOGRAPHIC CODE	N	12			
BLANK	N	1			Reserved for possible use as Geo Check digit.
BUSINESS NAME	M	30			
STREET ADDRESS	M	25			
MAIL ADDRESS	M	22			First position code generates 7 character field.
					0 = None 2 = DRAWER 1 = PO BOX 3 = RUR RT
CITY/TOWN	A	13			Standard POD spelling
STATE	A	4			D & B Standard Abbreviation
BLANK	–	1			Reserved for ZIP Expansion
ZIP	N	5			
TELEPHONE	M	10			
PRINCIPAL AND TITLE	A	19			
DMI LINE OF BUSINESS	A	19			
YEAR STARTED	N	3			Lead Character Dropped
D & B CODED RATING	N	3			
D & B ACTUAL RATING	M	4			

ITEM	A=ALPHA N=NUMERIC M=MIXED	NO. OF DIGITS			COMMENTS
SALES	M	5			Coded Figure – See narrative
WORTH	M	5			Coded Figure – See narrative
EMPLOYEES HERE	M	5			Coded Figure – See narrative
TOTAL EMPLOYEES	M	5			Coded Figure – See narrative
SIC NUMBERS	N	24			Six 4-digit SIC Numbers
SECOND NAME	M	30			
HQ CITY	A	13			
HQ STATE	A	4			
HQ REPORTING OFFICE	N	3			
HQ D–U–N–S NUMBER	N	9			
PARENT D–U–N–S	N	9			Number of immediate Parent
ULTIMATE D–U–N–S	N	9			Top of D–U–N–S Family Tree
STATUS	N	1			0 = Single Location 1 = Headquarters 2 = Branch
SUBSIDIARY	N	1			0 = Not a subsidiary 3 = Subsidiary
MANUFACTURING INDICATOR	N	1			0 = Mfg. at this location 1 = No. mfg. at this location
BLANKS		9			Reserved for expansion
SMTA CODES	N	3			See coding booklet

DOCUMENT: DMI RECORD NO.

DATE June 1973

ITEM	A=ALPHA N=NUMERIC M=MIXED	NO. OF DIGITS			COMMENTS
BLANK	–	21			Reserved
D & B REPORTING OFFICE	N	3			
TRANSACTION CODE	M	1			
REASON CODE	M	2			
ACTIVITY DATE	N	6			
RECORD MARK	–	1			

STORAGE LAYOUT

DMI – NEW FORMAT MASTER

DATE June 1973

1–49

| | | |

Appendix C. Selected SIC Codes

Standard Industrial Codes selected for inclusion in the Potential Hazardous Substance Activity Sites Inventory List

0700 AGRICULTURAL SERVICES
0710 Soil preparation services
0711 soil preparation services
0720 Crop services
0721 crop planting and protection
0729 general crop services
0782 lawn and garden services
0783 ornamental shrub and tree services
1000 METAL MINING
1010 Iron ores
1011 iron ores
1020 Copper ores
1021 copper ores
1030 Lead and zinc ores
1031 lead and zinc ores
1040 Gold and silver ores
1041 gold ores
1044 silver ores
1050 Bauxite and other aluminum ores
1051 bauxite and other aluminum ores
1060 Ferroalloy ores, except vanadium
1061 ferroalloy ores, except vanadium
1080 Metal mining services
1081 metal mining servies
1090 Miscellaneous metal ores
1092 mercury ores
1094 uranium-radium-vanadium ores
1099 metal ores, nec
1100 ANTHRACITE MINING
1110 anthracite mining
1111 anthracite
1112 anthracite mining services
1200 BITUMINOUS COAL AND LIGNITE MINING
1210 Bituminous coal and lignite mining
1211 bituminous coal and lignite
1213 bituminous & lignite mining services
1300 OIL AND GAS EXTRACTION
1310 Crude petroleum and natural gas
1311 crude petroleum and natural gas
1321 natural gas liquids
1389 oil and gas field services, nec
1470 Chemical and fertilizer minerals
1472 barite
1473 fluorspar
1474 potash, soda and borate minerals
1475 phosphate rock
1476 rock salt
1477 sulfur
1479 chemical and fertilizer mining, nec
1710 Plumbing, heating, air conditioning
1711 plumbing, heating, air conditioning
1720 Painting, paper hanging, decorating
1721 painting, paper hanging, decorating
1760 Roofing and sheet metal work
1761 roofing and sheet metal work
1799 special trade contractors, nec

2000 FOOD AND KINDRED PRODUCTS
2022 cheese, natural and processed
2023 condensed and evaporated milk
2032 canned specialties
2033 canned fruits and vegetables
2035 pickles, sauces, and salad dressings
2040 Grain mill products
2046 wet corn milling
2048 prepared feeds,nec
2052 cookies and crackers
2065 confectionery products
2070 Fats and oils
2075 soybean oil mills
2076 vegetable oil mills, nec
2079 shortening and cooking oils
2080 Beverages
2082 malt beverages
2086 bottled and canned soft drinks
2087 flavoring extracts and sirups, nec
2092 fresh or frozen packaged fish
2099 food preparations, nec
2200 TEXTILE MILL PRODUCTS
2211 weaving mills, cotton
2231 weaving and finishing mills, wool
2241 narrow fabric mills
2259 knitting mills, nec
2261 finishing plants, cotton
2291 felt goods, exc. woven felts & hats
2300 APPAREL AND OTHER TEXTILE PRODUCTS
2380 Miscellaneous apparel and accesories
2381 fabric dress and work gloves
2385 waterproof outergarments
2386 leather and sheep lined clothing
2392 house furnishings, nec
2400 LUMBER AND WOOD PRODUCTS
2420 Sawmills and planning mills
2421 sawmills and planning mills, general
2430 Millwork, plywood & structural members
2431 millwork
2439 structural wood members, nec.
2491 wood preserving
2499 wood products, nec
2500 FURNITURE AND FIXTURES
2511 wood household furniture
2512 upholstered household furniture
2514 metal household furniture
2522 metal office furniture
2531 public building & related furniture
2541 wood partitions and fixtures
2542 metal partitions and fixtures
2611 pulp mills
2621 paper mills, except building paper
2631 paperboard mills
2640 Misc. converted paper products
2641 paper coating and glazing
2642 envelopes

2643 bags, except textile bags
2645 die-cut paper and board
2647 sanitary paper products
2649 converted paper products, nec
2650 Paperboard containers and boxes
2651 folding paperboard boxes
2652 set-up paperboard boxes
2653 corrugated and solid fiber boxes
2654 sanitary food containers
2655 fiber cans, drums & similar products
2661 building paper and board mills
2700 PRINTING AND PUBLISHING
2711 newspapers
2721 periodicals
2730 Books
2731 book publishing
2732 book printing
2741 misc. publishing
2751 commercial printing, letterpress
2752 commercial printing, lithographic
2753 engraving and plate printing
2754 commercial printing, gravure
2761 manifold business forms
2770 Greeting card publishing
2771 greeting card publishing
2780 Blankbooks and bookbinding
2782 blankbooks and looseleaf binders
2789 bookbinding and related work
2790 Printing trade services
2793 photoengraving
2794 electrotyping and stereotyping
2795 lithographic platemaking services
2800 CHEMICALS AND ALLIED PRODUCTS
2810 Industrial inorganic chemicals
2812 alkalies and chlorine
2813 industrial gases
2816 inorganic pigments
2819 industrial inorganic chemicals, nec
2820 Plastics materials and synthetics
2821 plastics materials and resins
2822 synthetic rubber
2823 celulosic man-made fibers
2824 organic fibers, noncelulosic
2830 Drugs
2831 biological products
2833 medicinals and botanicals
2834 pharmaceutical preparations
2840 Soap, cleaners, and toilet goods
2841 soap and other detergents
2842 polishes and sanitation goods
2843 surface active agents
2844 toilet preparations
2850 Paints and allied products
2851 paints and allied products
2860 Industrial organic chemicals
2861 gum and wood chemicals

2865 cyclic crudes and intermediates
2869 industrial organic chemicals, nec
2870 Agricultural chemicals
2873 nitrogenous fertilizers
2874 phosphatic fertilizers
2875 fertilizers, mixing only
2879 agricultural chemicals, nec
2890 Misc. chemical products
2891 adhesives and sealants
2892 explosives
2893 printing ink
2895 carbon black
2899 chemical preparations, nec
2900 PETROLEUM AND COAL PRODUCTS
2910 Petroleum refining
2911 petroleum refining
2951 paving mixtures and blocks
2952 asphalt felts and coatings
2990 Misc. petroleum and coal products
2992 lubricating oils and greases
2999 petroleum and coal products, nec
3000 RUBBER AND MISC. PLASTICS PRODUCTS
3010 Tires and inner tubes
3011 tires and inner tubes
3020 Rubber and plastics footware
3021 rubber and plastics footware
3030 Reclaimed rubber
3031 reclaimed rubber
3040 Rubber and plastics hose and belting
3041 rubber and plastics hose and belting
3060 Fabricated rubber products, nec
3069 fabricated rubber products, nec
3070 Misc. plastics products
3079 misc. plastics products
3100 LEATHER AND LEATHER PRODUCTS
3110 Leather tanning and finishing
3111 leather tanning and finishing
3130 Boot and shoe cut stock and findings
3131 boot and shoe cut stock and findings
3140 Footware, except rubber
3142 house slippers
3143 men's footware, except athletic
3144 women's footware, except athletic
3150 Leather gloves and mittens
3151 leather gloves and mittens
3200 STONE, CLAY, AND GLASS PRODUCTS
3210 Flat glass
3211 Flat glass
3220 Glass and glassware, pressed or blown
3221 glass containers
3229 pressed and blown glass, nec
3230 Products of purchased glass
3231 products of purchased glass
3240 Cement, hydraulic
3241 cement, hydraulic
3255 clay refractories

3290 Misc. nonmetallic mineral products
3291 abrasive products
3292 asbestos products
3293 gaskets, packing and sealing devices
3295 minerals, ground or treated
3296 mineral wood
3300 PRIMARY METAL INDUSTRIES
3310 Blast furnace and basic steel products
3312 blast furnaces and steel mills
3313 electrometallurgical products
3315 steel wire and related products
3316 cold finishing of steel shapes
3317 steel pipe and tubes
3320 Iron and steel foundries
3321 gray iron foundries
3322 malleable iron foundries
3324 steel investment foundries
3325 steel foundries, nec
3330 Primary nonferous metals
3331 primary copper
3332 primary lead
3333 primary zinc
3334 primary aluminum
3339 primary nonferrous metals, nec
3340 Secondary nonferrous metals
3341 secondary nonferrous metals
3350 Nonferrous rolling and drawing
3351 copper rollling and drawing
3353 aluminum sheet, plate and foil
3354 aluminum extruded products
3355 aluminum rolling and drawing, nec
3356 nonferrous rolling and drawing, nec
3357 nonferrous wire drawing & insulating
3360 Nonferrous foundries
3361 aluminum foundries
3362 brass, bronze, and copper foundries
3369 nonferrous foundries, nec
3390 Misc. primary metal products
3398 metal heat treating
3399 primary metal products, nec
3400 FABRICATED METAL PRODUCTS
3410 Metal cans and shipping containers
3411 metal cans
3412 metal barrels, drums, and pails
3420 Cutlery, hand tools, and hardware
3421 cutlery
3423 hand and edge tools, nec
3425 hand saws and saw blades
3429 hardware, nec
3430 Plumbing and heating, except electrical
3431 metal sanitary ware
3432 plumbing fittings and brass goods
3433 heating equipment, except electrical
3440 Fabricated structural metal products
3441 fabricated structural metal
3442 metal doors, sash, and trim

3443 fabricated plate work (boiler shops)
3444 sheet metal work
3446 architectural metal work
3448 prefabricated metal buildings
3449 misc. metal work
3450 Screw machine products, bolts, etc.
3451 screw machine products
3452 bolts, nuts, rivets, and washers
3460 Metal forgings and stampings
3462 iron and steel forgings
3463 nonferrous forgings
3465 automotive stampings
3466 crowns and closures
3469 metal stampings, nec
3470 Metal services, nec
3471 plating and polishing
3479 metal coating and allied services
3480 Ordnance and accessories, nec
3482 small arms ammunition
3483 ammunition, exc. for small arms, nec
3484 small arms
3489 ordnance and accesories, nec
3490 Misc. fabricated metal products
3493 steel springs, except wire
3494 valves and pipe fittings
3495 wire springs
3496 misc. fabricated wire products
3497 metal foil and leaf
3498 fabricated pipe and fittings
3499 fabricated metal products, nec
3500 MACHINERY, EXCEPT ELECTRICAL
3510 Engines and turbines
3511 turbines and turbine generator sets
3519 internal combustion engines, nec
3520 Farm and garden machinery
3523 farm machinery and equipment
3524 lawn and garden equipment
3530 Construction and related machinery
3531 construction machinery
3532 mining machinery
3533 oil field machinery
3534 elevators and moving stairways
3535 conveyors and conveying equipment
3536 hoists, cranes and monorails
3537 industrial trucks and tractors
3540 Metalworking machinery
3541 machine tools, metal cutting types
3542 machine tools, metal forming types
3544 special dies, tools, jigs, and fixtures
3545 machine tool accessories
3546 power driven hand tools
3547 rolling mill machinery
3549 metalworking machinery, nec
3550 Special industry machinery
3551 food products machinery
3552 textile machinery

3553 woodworking machinery
3554 paper industries machinery
3555 printing trades machinery
3559 special industry machinery, nec
3560 General industrial machinery
3561 pumps and pumping equipment
3562 ball and roller bearings
3563 air and gas compressors
3564 blowers and fans
3565 industrial patterns
3566 speed changers, drives, and gears
3567 industrial furnaces and ovens
3568 power transmission equipment, nec
3569 general industrial machinery, nec
3570 Office and computing machines
3572 typewriters
3573 electronic computing equipment
3574 calculating and accounting machines
3576 scales and balances, exc. laboratory
3579 office machines, nec
3580 Refrigeration and service machinery
3581 automatic merchandising machines
3582 commercial laundry equipment
3585 refrigeration and heating equipment
3586 measuring and dispensing pumps
3589 service industry machinery, nec
3590 Misc. machinery, except electrical
3592 carburetors, pistons, rings, valves
3599 Machinery, except electrical, nec
3600 ELECTRIC AND ELECTRONIC EQUIPMENT
3610 Electric distributing equipment
3612 transformers
3613 switchgear and switchboard apparatus
3620 Electrical industrial apparatus
3621 motors and generators
3622 industrial controls
3623 welding apparatus, electric
3624 carbon and graphite products
3629 electrical industrial apparatus, nec
3630 Household appliances
3631 household cooking equipment
3632 household refrigerators and freezers
3633 household laundry equipment
3634 electric housewares and fans
3635 household vacuum cleaners
3636 sewing machines
3639 household appliances, nec
3640 Electric lighting and wiring equipment
3641 electric lamps
3643 current-carrying wiring devices
3644 noncurrent-carrying wiring devices
3645 residential lighting fixtures
3646 commercial lighting fixtures
3647 vehicular lighting equipment
3648 lighting equipment, nec
3650 Radio and tv receiving equipment

3651 radio and tv receiving sets
3652 phonograph records
3660 Communication equipment
3661 telephone and telegraph apparatus
3662 radio and tv communication equipment
3670 Electronic components and accesories
3671 electron tubes, receiving type
3672 cathode ray television picture tubes
3673 election tubes, transmitting
3674 semiconductors and related devices
3675 electronic capacitors
3676 electronic resistors
3677 electronic coils and transformers
3678 electronic connectors
3679 electronic components, nec
3690 Misc. electrical equipment & supplies
3691 storage batteries
3692 primary batteries, dry and wet
3693 x-ray apparatus and tubes
3694 engine electrical equipment
3699 electrical equipment & supplies, nec
3700 TRANSPORTATION EQUIPMENT
3710 Motor vehicles and passenger car bodies
3711 motor vehicles and passenger car bodies
3713 truck and car bodies
3714 motor vehicle parts and accessories
3715 truck trailers
3720 Aircraft and parts
3721 aircraft
3724 aircraft engines and engine parts
3728 aircraft parts and auxiliary equipment, not elsewhere classified
3730 Ship and boat building and repairing
3731 ship building and repairing
3732 boat building and repairing
3740 Railroad Equipment
3743 railroad equipment
3750 Motorcycles, bicycles, and parts
3751 motorcycles, bicycles, and parts
3760 Guided missles space vehicles and parts
3761 guided missles and space vehicles
3764 guided missle and space vehicle propulsion units and unit parts
3769 guided missle and space vehicle parts and aux. equipment, nec
3790 Miscellaneous transportation equipment
3792 travel trailers and campers
3795 tank and tank components
3799 transportation equipment, nec
3800 INSTRUMENTS AND RELATED PRODUCTS
3810 Engineering and scientific instruments
3811 engineering and scientific instruments
3820 Measuring and controlling sevices
3822 environment controls
3823 process control instruments
3824 fluid meters and counting devices
3825 instruments to measure electricity
3829 measuring and controlling devices
3830 Optical instruments and lenses

3832 optical instruments and lenses
3840 Medical instruments and supplies
3841 surgical and medical instruments
3842 surgical applicances and supplies
3843 dental equipment and supplies
3850 Opthalmic goods
3851 opthalmic goods
3860 Photographic equipment and supplies
3861 photographic equipment and supplies
3870 Watches, clocks, and watchcases
3873 watches, clocks, and watchcases
3900 MISCELLANEOUS MANUFACTURING INDUSTRIES
3910 Jewelry, silverware, and plated ware
3911 jewelry, precious ware
3914 silverware and plated ware
3915 jewelers' materials & lapidary work
3930 Musical instruments
3931 musical instruments
3940 Toys and sporting goods
3942 dolls
3944 games, toys, and children's vehicles
3949 sporting and athletic goods, nec
3950 Pens, pencils, office and art supplies
3951 pens and mechanical pencils
3952 lead pencils and art goods
3953 marking devices
3955 carbon paper and inked ribbons
3960 Costume jewelry and notions
3961 costume jewelry
3962 artificial flowers
3963 buttons
3964 needles, pins, and fasteners
3990 Misc. manufactures
3991 brooms and brushes
3993 signs and advertising displays
3995 burial caskets
3996 hard surface floor coverings
3999 manufacturing industries, nec
4000 RAILROAD TRANSPORTATION
4010 Railroads
4011 railroads, line-haul operating
4013 switching and terminal services
4200 TRUCKING AND WAREHOUSING
4210 Trucking, local and long distance
4212 local trucking, without storage
4213 trucking, except local
4214 local trucking and storage
4220 Public warehousing
4221 farm product warehousing and storage
4225 general warehousing and storage
4226 special warehousing and storage, nec
4230 Trucking terminal facilities
4231 trucking terminal facilities
4500 TRANSPORTATION BY AIR
4510 Certificated air transportation
4511 certificated air transportation

4580 Air transportation services
4582 airports and flying fields
4583 airport terminal services
4600 PIPE LINES, EXCEPT NATURAL GAS
4610 Pipe lines, except natural gas
4612 crude petroleum pipe lines
4613 refined petroleum pipe lines
4619 pipe lines, nec
4700 TRANSPORTATION SERVICES
4710 Freight forwarding
4712 freight forwarding
4740 Rental of railroad cars
4742 railroad car rental with service
4743 railroad car rental without service
4789 transportation services, nec
4810 Telephone communication
4811 telephone communication
4900 ELECTRIC, GAS, AND SANITARY SERVICES
4910 Electric services
4911 electric services
4920 Gas production and distribution
4922 natural gas transmission
4923 gas transmission and distribution
4924 natural gas distribution
4925 gas production and/or distribution
4930 Combination utility services
4931 electric and other services combined
4932 gas and other services combined
4939 combination utility services, nec
4950 Sanitary services
4952 sewerage systems
4953 refuse systems
4954 waste piles*
4955 barrels - waste disposal*
4956 injection - waste disposal*
4957 land application - waste*
4958 ponds - waste storage*
4959 sanitary services, nec
5010 Motor vehicles & automotive equipment
5012 automobiles and other motor vehicles
5013 automotive parts and supplies
5039 construction materials, nec
5050 Metals and minerals, except petroleum
5051 metal service centers and offices
5052 coal and other minerals and ores
5074 plumbing & hydronic heating supplies
5078 refrigeration equipment and supplies
5080 Machinery, equipment, and supplies
5081 commercial machines and equipment
5082 construction and mining machinery
5083 farm machinery and equipment
5084 industrial machinery and equipment
5085 industrial supplies
5087 service establishment equipment
5088 transportation equipment & supplies
5092 waste recycle/reclaim*

5093	scrap and waste materials
5160	Chemicals and allied products
5161	chemicals and allied products
5170	Petroleum and petroleum producs
5171	petroleum bulk stations & terminals
5172	petroleum products, nec
5191	farm supplies
5198	paints, varnishes, and supplies
5230	Paint, glass, and wallpaper stores
5231	paint, glass, and wallpaper stores
5260	Retail nurseries and garden stores
5261	retail nurseries and garden stores
7213	linen supply
7216	dry cleaning plants, except rug
7218	industrial launderers
7342	disinfecting and exterminating
7391	research & development laboratories
7395	photofinishing laboratories
7397	commercial testing laboratories
7399	business service, nec
7534	tire retreading and repair shops
7535	paint shops
8050	Nursing and Personal care facilities
8060	Hospitals
8062	general medical & surgical hospitals
8070	Medical and Dental Laboratories
8071	medical laboratories
8072	dental laboratories
8220	Colleges and universities
8221	colleges and universities, nec
9223	correctional institutions
9510	Environmental quality
9511	Air, water & solid waste management
9512	Land, mineral, wildlife conservation
9620	Regulation, administration of transportation
9621	regulation, administration of transportation
9711	national security
NONE	No SIC code assigned
RNONE	No SIC code assigned but site does include a RCRA source
SNONE	No SIC code assigned but site does include a CERCLA source